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EUB

Upstream Petroleum Industry Flaring Report

For the Year Ending December 31, 1999

August 2000

Alberta Energy and Utilities Board

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ALBERTA ENERGY AND UTILITIES BOARD
Statistical Series 2000-60B: Upstream Petroleum Industry Flaring Report, 1999

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1 Introduction

This report on flaring is part of a commitment made in EUB *Guide 60: Upstream Petroleum Industry Flaring Guide* (Section 11) to make flaring data more accessible to the public and industry. It provides a summary of flared volumes for the various oil and gas industry sectors (well tests, gas plants, gas gathering systems, and batteries) and reports solution gas conserved, flared, and vented during 1999. The report includes tables where operators are ranked based on solution gas flared, solution gas vented, total solution gas production, and total oil from crude oil and crude bitumen batteries. The operators are ranked provincially and by EUB Field Centre area.

This reporting will increase the awareness of flaring and encourage further gas conservation. The report shows the considerable progress industry has made in reducing solution gas flare and vent volumes.

This is the first annual flare report that the EUB has published. The report relies on production data submitted by companies. The EUB has emphasized the need to report vented and flare volumes accurately and believes that the publication of this report will aid in further improving the quality of the data.

Before publication, companies were given an opportunity (as described in *General Bulletin (GB) 2000-7: Guide 60 Upstream Petroleum Flaring Requirements - Industry Performance Reporting*) to verify the volumes of solution gas flared and vented data submitted to the EUB. The EUB is encouraged by individual companies' efforts to review and amend 1999 data. The hundreds of amendments to 1999 data received since March 2000 have increased vented volumes and decreased flared volumes reported for 1999.

The work by the Clean Air Strategic Alliance (CASA) and the development of EUB *Guide 60* has resulted in significantly less gas being flared in the province. The EUB will continue to monitor progress in further reductions in flaring and believes that opportunities may exist to reduce venting. The EUB will issue this report annually.

For information on flaring and venting requirements, see EUB *Guide 60: Upstream Petroleum Industry Flaring Guide* and *General Bulletin (GB) 99-23: Updates and Clarifications to EUB Guide 60.* If you have questions regarding this report, please contact the EUB Operations Group, Earl Martin, at (403) 297-6510.

2 Total Solution Gas Conserved and Solution Gas Flared and Vented

Figure 1 shows the percentage of solution gas conserved and the volume flared and vented for each year from 1990 to 1999. There was a steady increase in the volume of solution gas conserved throughout the 1990s.

The percentage of solution gas conserved has increased from approximately 90 per cent in 1990 to 94 per cent in 1999. All crude oil and crude bitumen batteries were used in calculating the percentage of solution gas conserved. Gas conserved includes gas delivered to a pipeline for sale and that used as fuel for facilities and equipment and for alternative uses, such as power generation. The percentage conserved is calculated by deducting the volume flared and volume vented from the solution gas production, dividing by solution gas production, and multiplying by 100.

The volume flared and vented has declined from the decade high volume of 2016 10^6 m^3 in 1993 to 1396 10^6 m^3 in 1999. In 1999, 4500 crude oil and crude bitumen batteries reported flaring and/or venting of solution gas. This represents a 5 per cent decrease from 1998.

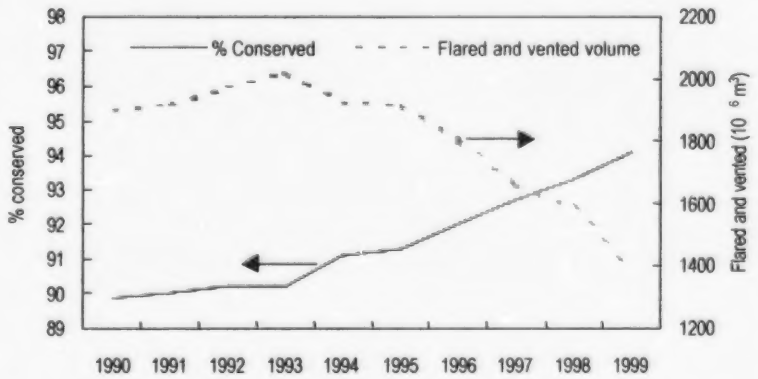

Figure 1. Percentage of solution gas conserved

Figure 2 shows the volume of solution gas conserved and the volume flared and vented for each year from 1990 to 1999. The volume conserved in 1990 was 16 852 10^6 m^3; it increased to 22 309 10^6 m^3 in 1999.

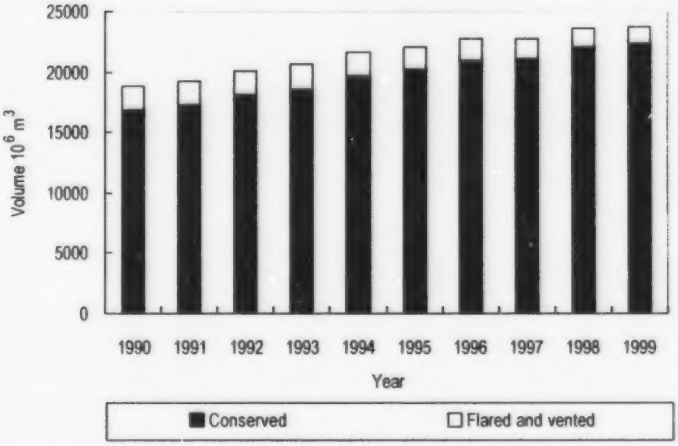

Figure 2. Total Solution Gas Conserved and Flared and Vented

The following data were used to prepare Figures 1 and 2:

Data table for Figure 1 and Figure 2.
Total solution gas conserved and flared and vented

Year	Solution gas conserved (10^6 m^3)	Solution gas conserved (%)	Flared & vented (10^6 m^3)
1990	16 852	89.9	1899
1991	17 252	90.0	1920
1992	18 049	90.2	1971
1993	18 572	90.2	2016
1994	19 667	91.1	1924
1995	20 165	91.3	1919
1996	20 901	92.0	1808
1997	21 126	92.7	1658
1998	22 002	93.3	1583
1999	22 309	94.1	1396

3 Solution Gas Flare and Vent Reduction

The EUB has concluded that flaring of solution gas has been reduced by approximately 30 percent from the 1996 level. A specific reduction target was not set for year-end 1999. However, the reduction by industry exceeds the target of 15 percent set for year-end 2000. This is the first firm target recommended by CASA. The EUB will provide details on industry's performance in meeting the 2000 reduction targets in next year's report. A summary of the targets is given below:

Solution gas flaring reduction schedule

Year	Firm target reduction (%)	Actual reduction (%)
1999	None established	30%
2000	15%	To be determined at year end
2001	25%	To be determined at year end

The actual volume of solution gas flared and vented in 1999 was 1396 10^6m^3 which represents a 23 percent reduction from the 1996 volume.

In March 2000, during the preparation of data for the annual report, the EUB encouraged companies to check the accuracy of all 1999 solution gas flared and vented data they had previously submitted to the EUB and make any necessary amendments. As a result of this review, the EUB notes that significant amendments have now been made to 1999 solution gas flared volumes. These amendments have had the effect of decreasing the solution gas flared volumes and significantly increasing 1999 vented volumes as originally reported to the EUB. Most of these amendments were due to industry incorrectly reporting vented gas as being flared.

Notwithstanding the significant progress made in reducing flaring and venting, the EUB is particularly concerned with the amount of vented volumes and therefore believes that it is essential to expedite a review of venting practices. The EUB plans to incorporate venting into the scheduled 2001 review of *Guide 60* and plans to initiate this review in the fourth quarter of 2000. This review will determine what reduction and control requirements should be applied to vent gases. EUB staff have already initiated work with CASA and the Canadian Association of Petroleum Producers (CAPP) to set up this review.

The EUB plans to increase field inspections of facilities throughout the province with an increased emphasis on measurement and reporting of flared and vented solution gas. The EUB has action planned in the areas of production accounting and production audits which will also improve the reporting of flared and vented solution gas.

A key feature of Guide 60 is that flares within 500 metres of residents must be evaluated and brought into compliance with the flare performance requirements by December 31, 2000. Residents within 500 meters of these flares must also be notified as to a company's intentions by year end 2000. All other solution gas flares must be evaluated by December 31, 2002.

The Alberta petroleum industry has made significant progress in reducing flaring and venting in the province and the EUB believes opportunities exist to further increase the level of solution gas conservation above the current 94.1 percent.

4 Flaring from Upstream Oil and Gas Sources in 1999

Figure 3 shows flaring volumes broken down by source. The total volume flared from all sources in 1999 was 1489 10^6 m^3.

The solution gas flared from crude oil and crude bitumen batteries was 938 10^6 m^3, representing 63 per cent of the gas flared in Alberta. The reduction target is applied against this volume because it is the largest and offers the best opportunity to reduce flaring.

The volume and percentage of the total flared are shown for the other four upstream sources. The volume shown for gas plants and gas gathering systems represents gas flared and vented. At the present time, the Gas Gathering (S-8) and Gas Processing (S-20) monthly production statements are not designed to report flared and vented volumes separately.

In Figure 3, volume is shown within square brackets and measured as 10^6 m^3.

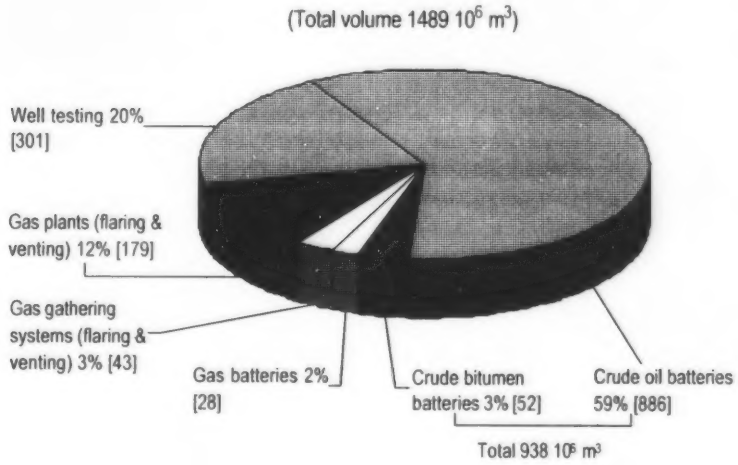
(Total volume 1489 10⁶ m³)
Well testing 20% [301]
Gas plants (flaring & venting) 12% [179]
Gas gathering systems (flaring & venting) 3% [43]
Gas batteries 2% [28]
Crude bitumen batteries 3% [52]
Crude oil batteries 59% [886]
Total 938 10⁶ m³

Figure 3. Flaring from upstream oil and gas sources

5 Venting from Upstream Oil and Gas Sources in 1999

Figure 4 shows venting volumes broken down by source. The total volume vented in 1999 was 491 10^6 m^3. The solution gas vented from crude oil and bitumen batteries was 459 10^6 m^3, or 93 per cent of the total gas vented. The other significant source of venting is transmission pipelines at 19 10^6 m^3 or 4 per cent of the total. Venting during gas well testing was 11 10^6 m^3, or 2 per cent of the total. Venting from gas batteries is relatively small.

The most significant source of venting is bitumen projects where very small volumes of solution gas are vented from the casing annulus of over 3000 individual wells. At crude oil and crude bitumen batteries, small volumes of solution gas are sometimes vented from the oil tanks. Venting during well testing is from shallow, sweet, low-deliverability gas wells.

In Figure 4, volume is shown in square brackets and measured as 10^6 m^3.

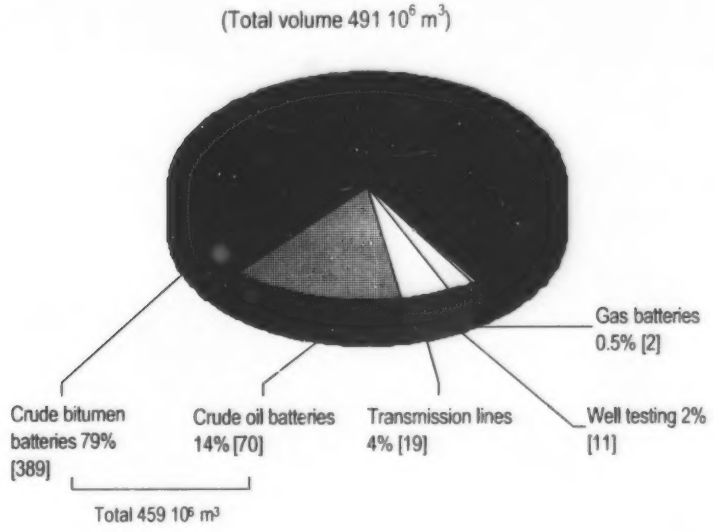

Figure 4. Venting from upstream oil and gas sources

6 Ranking of Operators in Alberta for 1999

The tables that follow provide information on individual companies.

The EUB has ranked companies based on flared solution gas, vented solution gas, total solution gas production, and total oil production from crude oil and crude bitumen batteries. The second column in the tables shows the percentage of solution gas conserved by an operator. Individual operators can be compared to the provincial average of 94.6 per cent.

It is possible for an operator to flare or vent a significant volume of solution gas due to the magnitude of the company's operations and still have a high percentage of gas conserved.

In this analysis, all crude oil and crude bitumen batteries have been included except for batteries that had an experimental well reporting fluid production in a month. This is why the percentage of solution gas conserved is slightly higher than Figure 1, which includes all crude oil and crude bitumen batteries. The information on experimental wells remains confidential for a period of time.

Companies are ranked province-wide and also within each EUB field centre area. The following describes the fields that appear in the ranking tables:

COMPANY—abbreviated company name

GAS CONS—percentage of solution gas conserved

GAS FLARED (10^3 m^3)—solution gas flared from crude oil and crude bitumen batteries

FLARE RANK—the company's ranking compared to other companies based on the volume of solution gas flared

GAS VENTED (10^3 m^3)—solution gas vented from crude oil and crude bitumen batteries

VENT RANK—the company's ranking based on the volume of solution gas vented; companies that reported zero venting are listed alphabetically

OIL PROD (m^3)—crude oil and crude bitumen produced in 1999

OIL RANK—the company's ranking based on crude oil and crude bitumen production

GAS PROD (10^3 m^3)—volume of solution gas produced with crude oil and crude bitumen

GAS RANK—the company's ranking based on volume of solution gas production

TOTAL WELLS—the total number of non-abandoned wells associated with the batteries at the time the data were extracted from the EUB corporate database

GAS/OIL RATIO (m^3/m^3)—volume of solution gas produced per unit of oil

On the tables that follow, the companies are ranked and listed based on solution gas flared from facilities operated by the company in 1999. Each table shows a total for the area covered at the end of the data.

EUB field centres

- Bonnyville
- Calgary
- Drayton Valley
- Edmonton (St. Albert)
- Grande Prairie
- Medicine Hat
- Red Deer
- Wainwright

Effective April 2000, some restructuring of field centres occurred. The Calgary and Medicine Hat field centres merged into a new Southern Region Field Centre with offices in Midnapore and Medicine Hat. The data in this report reflect the previous structure.

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
RENAISSANCE	75.8%	67,241.1	1	3,752.4	8	3,353,066.2	2	292,813.1	19	3,790	87
PANCAN RESOURC	87.1%	42,065.0	2	41,429.0	3	3,235,550.7	3	649,758.2	10	2,350	201
TALISMAN ENERG	94.8%	34,431.6	3	2,999.9	10	1,482,877.0	11	724,203.2	8	1,661	488
CRESTAR ENERGY	93.1%	30,223.9	4	3,166.3	9	1,771,534.9	9	486,805.9	13	1,223	275
HUNT OIL	57.4%	26,777.3	5	89.6	69	147,957.7	55	63,071.1	55	103	426
UNION PACIFIC	81.3%	26,142.9	6	24,552.3	5	1,978,311.3	8	271,233.6	22	1,646	137
GULF CAN LTD	98.2%	21,776.9	7	1,999.9	15	1,505,668.8	10	1,324,340.9	4	870	880
FLETCHER CHALL	78.5%	20,429.9	8	715.2	28	637,594.7	20	98,203.6	43	745	154
HUSKY OIL OPER	97.7%	19,624.5	9	28,989.4	4	2,338,421.0	5	2,104,407.5	2	1,315	900
ALTA ENERGY	53.8%	19,029.3	10	17,419.9	7	1,073,352.1	15	78,951.6	48	653	74
ENERMARK INC.	88.5%	18,533.1	11	590.4	32	492,491.7	25	166,431.6	32	485	338
CDN NAT RES	81.6%	18,218.3	12	82,699.8	1	2,798,387.5	4	547,038.0	12	2,676	196
PENN WEST PETR	94.3%	17,037.1	13	1,560.4	18	621,573.3	21	326,880.4	17	2,134	526
PRIMEWEST ENER	91.8%	14,478.1	14	923.2	26	496,288.4	24	186,834.8	29	495	377
NORTHSTAR ENGY	91.2%	14,271.0	15	2,417.6	13	757,399.3	17	188,622.4	27	681	249
BURLINGTON RES	93.7%	14,109.7	16	987.1	24	457,188.5	27	239,291.4	25	450	523
ANDERSON	97.7%	13,431.5	17	1,225.1	20	1,272,979.8	12	638,300.2	11	568	501
IMP OIL RES LT	99.5%	13,203.1	18	1.1	151	9,472,466.7	1	2,509,902.0	1	4,416	265
NUMAC ENERGY	93.7%	13,007.0	19	1,813.8	16	472,776.2	26	233,784.6	26	533	495
PHILLIPS PETRO	96.0%	12,661.6	20	49.6	89	367,110.2	29	321,667.9	18	401	876
MOBIL	98.8%	12,154.5	21	197.0	50	1,132,269.6	14	1,004,909.9	6	910	888
CABRE EXPLOR	93.7%	11,547.8	22	-	216	504,062.0	23	184,569.3	30	399	366
MARATHON CANAD	98.2%	10,943.6	23	1,183.2	21	601,000.9	22	666,204.3	9	601	1,109
SAMSON CANADA,	78.4%	10,547.0	24	2,354.6	14	151,535.8	53	59,784.0	57	133	395
MAGIN ENERGY I	79.5%	10,494.8	25	30.6	101	291,683.2	39	51,235.1	60	408	176
AEC WEST LTD.	95.9%	10,185.5	26	115.4	63	217,643.7	44	249,839.3	24	163	1,148
NORTHROCK RES	94.0%	9,766.4	27	1,510.7	19	92,501.3	70	187,999.9	28	118	2,032
AMOCO CANADA P	99.0%	9,724.0	28	78.3	74	2,106,567.1	7	1,011,441.7	5	2,043	480
AMBER ENGY	68.6%	9,647.8	29	133.8	59	304,664.0	35	31,121.6	77	159	102
WISER OIL CO	41.9%	9,335.3	30	-	496	175,806.4	48	16,062.2	103	76	91
PETRO-CANADA	99.0%	8,712.1	31	43.8	93	1,171,569.7	13	906,946.4	7	958	774
SHELL CANADA	97.0%	8,618.5	32	12.0	118	1,043,890.0	16	284,490.6	20	489	273
MURPHY OIL COM	72.4%	8,433.3	33	-	347	206,433.4	45	30,500.2	78	216	148
VERMILION RES	81.5%	7,944.2	34	52.4	87	299,872.6	37	43,276.2	67	200	144
STARTECH ENERG	84.9%	7,847.9	35	168.9	52	137,399.5	57	53,204.1	59	170	387
ENCAL ENGY	89.1%	7,479.7	36	-	271	84,787.1	73	68,901.2	51	160	813
PIONEER NATURA	86.4%	7,032.4	37	369.9	39	315,655.6	33	54,368.3	58	391	172
SUNCOR ENERGY	95.6%	6,932.5	38	50.9	88	292,495.4	38	158,610.7	33	277	542

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
INTERNATIONAL	81.5%	6,748.4	39	919.5	27	346,293.5	30	41,477.9	68	354	120
STAR OIL & GAS	54.2%	6,549.2	40	28.1	105	191,065.1	47	14,365.7	104	175	75
DEVON ENERGY	90.3%	6,509.1	41	31.6	99	206,154.7	46	67,238.8	52	129	326
NAL RES	96.5%	5,741.1	42	346.0	41	262,154.6	41	172,704.3	31	261	659
STELLARTON ENE	94.1%	5,644.5	43	-	442	28,685.5	119	96,073.8	44	154	3,349
BAYTEX ENERGY	91.0%	5,571.4	44	-	190	232,071.3	42	61,742.0	56	244	266
NCE RES GP	91.4%	5,173.2	45	459.7	35	124,645.3	61	65,610.6	53	283	526
CHEVRON CANADA	99.6%	4,954.9	46	-	237	2,322,908.0	6	1,331,880.4	3	686	573
REAL RESOURCES	28.6%	4,921.5	47	0.2	163	73,366.8	80	6,895.9	142	122	94
RENATA RESOURC	74.7%	4,813.1	48	249.9	46	96,860.6	69	19,994.4	95	123	206
EDGE ENERGY IN	90.3%	4,529.7	49	63.8	81	58,314.1	88	47,580.8	61	66	816
TAURUSEXPCANA	96.4%	4,453.5	50	-	456	138,424.4	56	122,973.3	36	254	888
SUMMIT RES	95.2%	4,412.8	51	616.6	30	96,978.5	68	105,570.5	40	99	1,089
RIFE RES	95.6%	3,986.2	52	88.0	71	65,989.7	83	92,490.5	45	71	1,402
VENTUS ENERGY	31.3%	3,824.6	53	-	487	122,692.0	62	5,569.1	151	58	45
PURSUIT RES	81.4%	3,744.7	54	360.0	40	81,290.3	77	22,035.1	91	119	271
CDN FOREST OIL	91.8%	3,698.8	55	135.9	56	121,491.6	64	46,531.7	63	205	383
ENERPLUS RES	87.0%	3,657.5	56	525.3	34	82,173.8	75	32,141.0	75	136	391
PARAGON PETROL	86.8%	3,492.4	57	-	374	28,616.5	120	26,458.2	86	32	925
TUSK ENERGY	87.9%	3,267.0	58	-	482	149,225.6	54	26,900.2	85	33	180
SUNOMA ENERGY	74.4%	3,256.6	59	-	447	22,691.9	141	12,711.8	110	42	560
BREDAL ENGY	81.0%	3,069.1	60	-	210	40,967.3	107	16,191.9	101	112	395
BARRINGTON PET	82.5%	3,035.3	61	2,473.2	11	160,092.8	51	31,558.8	76	259	197
TETHYS ENERGY	85.6%	2,957.0	62	-	459	70,666.2	82	20,481.7	93	19	290
RIO ALTO EXPLO	97.6%	2,870.7	63	-	416	43,019.4	101	117,794.6	37	70	2,738
ARCHEAN ENERGY	91.4%	2,838.9	64	-	177	335,604.9	31	33,136.7	74	586	99
JORDAN PTR	70.5%	2,793.1	65	-	318	26,333.5	125	9,466.6	128	51	360
ULSTER PETROLE	99.3%	2,744.6	66	376.4	38	332,683.4	32	443,189.3	14	306	1,332
PROBE EXPLORAT	99.0%	2,670.1	67	89.0	70	153,219.8	52	282,821.9	21	364	1,846
CDN 88 ENERGY	93.1%	2,649.9	68	-	234	19,929.1	150	38,265.4	71	37	1,920
RESPONSE ENGY	61.8%	2,596.7	69	233.6	48	55,452.1	90	7,400.0	138	114	133
BLUE PARROT RE	6.4%	2,585.0	70	-	203	10,944.6	185	2,761.6	190	12	252
SHININGBANK	96.8%	2,576.8	71	-	434	41,165.4	106	81,090.1	47	128	1,970
LYSE PETROLEUM	0.0%	2,555.8	72	-	333	7,791.7	207	2,555.8	193	8	328
SAWTOOTH INTER	17.8%	2,532.0	73	-	427	5,499.0	220	3,080.4	183	11	560
ZARGON OIL & G	87.3%	2,475.1	74	21.2	111	48,876.6	95	19,706.6	96	86	403
COMPTON ENERGY	65.2%	2,470.9	75	-	245	85,143.2	72	7,107.2	140	36	84
TIER ONE ENERG	41.8%	2,441.2	76	-	464	80,362.7	79	4,191.9	167	38	52

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
ANDERSON O & G	92.4%	2,414.4	77	985.8	25	308,528.6	34	44,991.4	66	289	146
CYPRESS ENERGY	97.1%	2,355.8	78	540.9	33	50,223.5	92	98,496.2	42	93	1,961
BLUE RANGE COR	91.6%	2,315.0	79	-	204	25,914.0	127	27,507.2	84	83	1,062
PCC ENERGY COR	80.1%	2,236.7	80	-	377	21,576.9	145	11,233.5	117	23	521
INTACTION RES	78.4%	2,199.1	81	-	310	46,457.9	96	10,176.7	122	33	219
SURAT ENERGY	13.1%	2,176.6	82	-	450	6,413.1	215	2,504.0	197	12	391
MAXX PETROLEUM	94.8%	2,148.5	83	-	339	164,920.3	49	41,006.6	69	112	249
GLENCOE RES	93.0%	2,081.1	84	-	293	23,916.7	135	29,628.7	79	74	1,239
BEARSPAW PETRO	94.9%	2,042.1	85	2.6	144	130,488.3	58	40,289.1	70	194	309
APACHE CANADA	98.6%	2,034.9	86	10.6	121	99,332.8	67	143,393.6	34	458	1,444
OGY PETROLEUM	53.7%	1,996.5	87	-	360	60,966.4	86	4,314.1	164	83	71
CONTOUR ENERGY	51.8%	1,964.9	88	35.7	96	12,754.7	176	4,147.1	168	10	325
SIGNALTA RES	77.7%	1,941.9	89	22.6	110	21,565.5	146	8,811.7	131	39	409
TRIUMPH ENGY	84.5%	1,875.3	90	318.2	43	122,647.6	63	14,177.5	105	138	116
PLACE RES	84.7%	1,789.0	91	-	386	19,501.8	152	11,699.5	114	13	600
PETROMET RES	7.7%	1,782.5	92	-	384	15,088.4	163	1,931.5	213	10	128
SEARCH ENGY	85.8%	1,777.8	93	57.4	84	39,943.6	109	12,943.5	109	76	324
NEUTRINO RES	20.7%	1,765.5	94	-	349	33,229.3	113	2,225.7	204	83	67
FORTUNE ENGY	39.3%	1,749.3	95	-	283	39,637.2	110	2,881.4	187	11	73
VENATOR PETRO	0.0%	1,743.5	96	-	486	4,995.1	228	1,743.5	217	7	349
ELK POINT RES	97.3%	1,708.8	97	34.5	97	60,326.7	87	65,147.4	54	53	1,080
OCELOT ENERGY	96.0%	1,703.5	98	134.6	57	72,282.3	81	45,820.8	64	157	634
POST ENGY	98.8%	1,698.4	99	10.4	122	48,919.6	93	141,182.6	35	109	2,886
BIRCHILL RES	0.0%	1,681.3	100	-	199	9,135.2	195	1,681.3	220	2	184
THUNDER ENERGY	96.5%	1,611.6	101	-	462	81,692.5	76	45,523.9	65	61	557
ONWARD ENGY	14.6%	1,591.3	102	67.9	79	3,939.0	244	1,943.9	212	9	494
CROSSROADS ENR	34.7%	1,590.1	103	72.8	77	4,519.2	233	2,546.8	196	30	564
GREY WOLF EXPL	77.5%	1,574.6	104	-	299	46,003.3	97	6,996.7	141	84	152
INFINITI RESOU	14.4%	1,572.9	105	-	309	3,997.4	243	1,838.2	216	8	460
KB RESOURCES	64.8%	1,565.5	106	-	322	21,712.9	144	4,441.5	160	20	205
ISH ENERGY LTD	52.7%	1,564.1	107	-	313	1,252.6	341	3,305.6	180	11	2,639
BEAU CANADA EX	98.6%	1,560.8	108	95.5	67	102,438.2	66	117,570.5	38	190	1,148
SHANPET RES.	0.0%	1,549.2	109	-	431	2,716.1	273	1,549.2	226	5	570
ARC RESOURCES	98.4%	1,546.7	110	244.4	47	272,823.8	40	113,269.0	39	459	415
PROGRESS ENERG	1.0%	1,537.7	111	-	393	14,169.2	166	1,553.3	224	12	110
CENTENIAL PETR	84.4%	1,525.7	112	3.6	141	14,377.1	165	9,803.9	125	37	682
MERIT ENERGY	71.8%	1,487.8	113	-	343	22,717.6	140	5,279.3	153	89	232
BERKLEY PETRO	99.6%	1,461.0	114	-	195	129,499.7	59	365,831.2	16	39	2,825

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
MAMA SANTOS	0.0%	1,452.9	115	-	335	4,130.1	240	1,452.9	233	16	352
RANGER OIL LIM	22.2%	1,444.4	116	64,591.9	2	656,135.7	19	84,835.7	46	1,062	129
CDN HUNTER	94.1%	1,440.4	117	-	233	29,550.0	118	24,439.1	88	23	827
COMPTON OIL &	43.8%	1,435.2	118	-	246	11,348.3	183	2,554.8	194	20	225
JET ENGY	0.0%	1,396.9	119	-	317	5,342.2	222	1,396.9	235	12	262
C&D O&G	39.3%	1,386.7	120	-	215	53,507.9	91	2,282.8	201	77	43
CANOR ENERGY	70.5%	1,384.8	121	-	230	34,516.5	111	4,700.2	159	26	136
ARDENT ENERGY	35.9%	1,381.9	122	-	178	31,473.5	114	2,157.2	207	51	69
AVID OIL & GAS	68.5%	1,373.9	123	231.9	49	87,248.3	71	5,099.0	155	255	58
OLYMPIA ENGY	48.1%	1,342.0	124	-	362	12,430.0	179	2,584.1	191	5	208
2969980 CANADA	73.6%	1,322.7	125	-	499	23,610.0	138	5,014.5	156	8	212
ROZSA PETRO	94.1%	1,307.9	126	124.0	61	55,478.7	89	24,080.9	89	65	434
NEWHOUSE RESOU	0.0%	1,299.9	127	-	353	1,818.9	312	1,299.9	240	3	715
PHILLIPS PET	82.2%	1,298.5	128	83.0	73	11,075.0	184	7,776.5	135	16	702
BOUNTY DEV	17.2%	1,297.2	129	-	208	29,932.3	116	1,567.2	223	4	52
TUNDRA OIL AND	8.6%	1,282.3	130	-	479	8,384.7	202	1,402.3	234	5	167
RICHLAND PETRO	4.6%	1,280.4	131	-	414	2,269.9	289	1,341.9	238	2	591
COASTAL RES	36.3%	1,193.1	132	30.6	100	20,511.9	148	1,920.6	214	27	94
EOG RESOURCES	99.3%	1,188.3	133	626.4	29	126,913.2	60	254,651.8	23	130	2,007
GANNON BROS	18.3%	1,187.6	134	-	287	5,349.9	221	1,454.2	232	17	272
JARROD OILS	0.0%	1,185.4	135	-	315	9,675.6	193	1,185.4	242	10	123
GENESIS EXPL	98.4%	1,183.1	136	-	289	228,724.6	43	72,797.8	49	96	318
SADDLE RESOURC	4.6%	1,180.1	137	-	424	12,051.9	181	1,236.9	241	16	103
DOMCAN EAST AL	72.8%	1,133.9	138	59.7	83	40,901.7	108	4,383.2	161	63	107
EQUATORIAL ENE	88.9%	1,123.2	139	92.1	68	43,759.5	100	10,983.9	118	117	251
DELTA RES	0.0%	1,071.7	140	-	260	2,625.1	276	1,071.7	247	7	408
TRIGAS EXPL	58.5%	1,068.8	141	-	476	1,037.0	358	2,576.9	192	1	2,485
VELVET EXPLORA	97.8%	1,034.3	142	-	485	33,735.7	112	46,564.8	62	26	1,380
STAMPEDE OILS	0.0%	1,029.2	143	-	440	40.4	490	1,029.2	253	1	25,475
CANADIAN ABRAX	85.6%	1,026.6	144	-	221	45,689.8	98	7,116.3	139	65	156
CANOIL ENERGY	0.0%	1,024.7	145	-	229	4,777.6	231	1,024.7	254	10	215
TRIQUEST ENERG	0.0%	1,013.0	146	-	477	3,464.8	251	1,013.0	255	7	292
ALTAGAS SERV	92.2%	1,005.6	147	4.6	137	24,168.3	134	13,027.5	108	17	539
HIGHLAND ENERG	91.5%	1,002.1	148	20.7	112	25,837.8	128	12,102.6	111	19	468
PYRAMID ENERGY	0.0%	989.8	149	-	399	6,988.0	211	886.8	261	4	127
STORM ENERGY I	80.3%	954.6	150	-	444	105,343.5	65	4,854.1	158	42	46
ROCKY MOUNTAIN	0.0%	923.4	151	-	420	8,567.0	201	923.4	257	16	108
IONIC ENERGY I	73.4%	906.1	152	3.2	142	3,357.8	254	3,412.8	179	20	1,016

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
BACKER PETRO	34.2%	902.5	153	113.9	64	9,026.6	196	1,545.5	227	12	171
AVALANCHE ENER	84.9%	899.5	154	-	185	13,321.4	173	5,946.7	147	59	446
OMERS RESOURCE	95.9%	886.8	155	-	363	64,357.1	84	21,687.9	92	90	337
LOMALTA PETRO	61.5%	826.2	156	19.9	113	28,606.6	121	2,195.2	205	26	77
WOLVERINE ENER	80.6%	825.8	157	-	497	15,464.6	162	4,258.8	165	73	275
CONOCO CANADA	94.9%	803.1	158	25.1	107	15,761.5	161	16,136.1	102	23	1,024
BONAVISTA PETR	97.9%	795.0	159	-	206	25,346.6	131	37,921.8	72	64	1,496
TERRAPET ENERG	0.0%	794.9	160	-	457	1,521.1	331	794.9	269	3	523
CANALTA ENERGY	0.0%	778.0	161	-	225	420.3	417	778.0	272	2	1,851
TRI LINK RESOU	0.0%	737.2	162	-	475	10,180.7	190	622.3	287	15	61
EBOC ENERGY LT	93.4%	715.1	163	-	268	5,102.2	226	10,907.0	119	9	2,138
NYCAN ENERGY C	17.5%	711.2	164	-	357	2,033.9	301	861.6	263	4	424
FORT SMITH	0.0%	706.1	165	5.3	135	13,537.1	171	711.4	277	7	53
MAXWELL OIL	68.9%	705.4	166	0.6	156	14,139.3	167	2,268.6	202	13	160
RHODIE PETRO	0.0%	697.5	167	-	411	10,835.7	187	697.5	278	20	64
COURAGE ENERGY	34.8%	683.2	168	48.9	91	28,208.6	122	1,123.2	243	43	40
GASCAN RES	0.0%	659.6	169	-	288	8,050.4	204	659.6	283	6	82
TIVERTON PETRO	52.6%	655.2	170	-	468	13,058.4	175	1,381.0	237	26	106
BENSON PETRO	95.3%	651.5	171	294.4	45	41,975.6	103	20,293.0	94	66	483
ACANTHUS RESOU	85.1%	646.1	172	-	165	22,570.4	142	4,332.1	163	55	192
SEVENTH ENERGY	90.3%	616.9	173	-	430	19,622.4	151	6,367.1	145	28	325
PARA-TECH ENER	1.0%	611.4	174	-	372	9,198.8	194	617.5	288	32	67
COMSTATE RES	95.8%	602.9	175	604.1	31	62,784.8	85	28,849.0	82	198	460
VINTAGE RESOUR	93.5%	598.1	176	-	489	24,375.0	133	9,269.1	129	43	380
CRISPIN ENERGY	30.0%	594.0	177	-	252	15,019.7	164	848.6	266	23	57
KINWEST RESOUR	0.0%	593.7	178	-	324	3,356.7	255	593.7	293	9	177
COMETRA ENERGY	93.3%	568.9	179	-	244	23,013.3	139	8,540.7	132	22	371
INDRA O & G	0.0%	567.3	180	-	308	3,734.4	247	567.3	294	5	152
RED GREEN ENER	0.0%	566.9	181	-	409	339.7	429	566.9	295	1	1,669
DOMCAN BOUNDAR	85.4%	542.7	182	-	265	27,735.4	124	3,706.1	173	23	134
WESTDRUM ENGY	64.5%	542.4	183	-	492	1,103.7	354	1,528.8	228	5	1,385
CAMINO IND	21.7%	541.9	184	2,461.1	12	3,505.5	250	3,837.0	172	27	1,095
BEST PACIFIC	96.9%	539.4	185	-	197	10,419.3	189	17,283.2	99	39	1,659
ASCOT ENERGY R	94.4%	529.2	186	4.2	138	12,281.1	180	9,505.3	127	12	774
PARAMOUNT RES	90.8%	522.1	187	-	375	17,648.7	156	5,692.6	150	13	323
DEL ROCA ENERG	0.0%	521.1	188	9.9	124	7,971.5	205	531.0	299	26	67
POGO CANADA LT	0.0%	504.1	189	-	389	4,511.0	234	504.1	303	6	112
ALTANA EXPLORA	91.8%	503.9	190	157.9	53	23,617.2	137	8,110.6	133	48	343

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
SLS RESOUR	13.2%	499.5	191	99.2	66	176.7	456	690.1	279	1	3,906
CAUSEWAY ENERG	95.9%	483.2	192	77.4	75	28,016.7	123	13,786.7	106	46	492
LARIO OIL & GA	91.9%	477.2	193	-	328	21,399.2	147	5,925.4	148	31	277
ANDERSON RESOU	3.7%	470.7	194	1,021.1	22	42,803.8	102	1,549.9	225	54	36
DANOIL ENGY	92.4%	448.4	195	49.5	90	13,336.5	172	6,543.4	143	40	491
WESTHILL RES	96.0%	433.7	196	-	493	7,445.3	208	10,817.4	120	6	1,453
NICATA INV	0.0%	430.1	197	-	355	609.6	391	430.1	311	2	706
PENGROWTH CORP	99.9%	429.1	198	-	379	666,018.1	18	384,750.2	15	249	578
MANHATTAN RESO	46.0%	425.2	199	-	336	8,663.9	200	787.1	270	17	91
PETROMAN OIL	45.1%	424.8	200	-	383	962.8	365	774.3	273	1	804
K2 ENERGY CORP	0.5%	416.5	201	-	326	4,444.6	235	418.4	312	16	94
BIG HORN	0.0%	415.6	202	-	198	513.9	407	415.6	313	2	809
CAMPION RESOUR	6.5%	413.7	203	-	220	404.8	419	442.4	308	1	1,093
SHENANDOAH RES	39.4%	401.0	204	-	433	11,883.0	182	661.4	282	46	56
KAISER ENERGY	91.9%	394.1	205	1.8	147	8,067.5	203	4,883.0	157	15	605
BARNWELL CAN	14.3%	393.3	206	-	189	6,970.6	212	458.8	305	11	66
RAMIER RES	9.2%	390.7	207	-	403	4,010.2	242	430.3	310	7	107
BELMONT ENERGY	0.0%	388.2	208	-	194	477.6	408	388.2	317	4	813
PETENCO RES	48.5%	383.3	209	-	381	1,662.5	324	744.9	276	11	448
REGCO PETRO	74.8%	367.5	210	-	410	8,677.7	199	1,456.8	231	12	168
TORRINGTON RES	98.4%	364.8	211	-	471	16,581.8	158	22,435.1	90	32	1,353
PARADIGM RESOU	36.5%	356.0	212	-	373	3,690.1	248	560.2	296	5	152
PEARSON RES	99.7%	353.1	213	-	378	2,945.7	263	102,225.1	41	19	34,703
TURF PETROLEUM	0.0%	349.3	214	-	480	4,939.9	229	349.3	325	4	71
SYMMETRY RESOU	96.5%	341.9	215	-	451	25,314.5	132	9,662.9	126	36	382
ROYAL QUEST RE	0.0%	335.6	216	-	421	237.6	443	335.6	327	1	1,413
BOUNDARY CREEK	68.2%	333.4	217	-	207	3,043.7	261	1,048.8	250	15	345
DRAIG ENERGY	98.9%	325.2	218	-	266	1,835.2	311	28,952.3	81	13	15,776
HARBOUR PETRO	64.1%	324.4	219	-	302	5,303.0	224	904.6	258	15	171
WESTROCK ENERG	98.8%	318.7	220	9.0	127	84,501.1	74	28,338.3	83	62	335
SKYLIGHT ENGY	87.7%	313.8	221	-	437	2,401.2	282	2,554.2	195	12	1,064
MOIIBUS RES	92.9%	310.6	222	1.4	148	3,928.8	245	4,376.0	162	3	1,114
TORPEDO PETROL	0.0%	307.4	223	-	470	401.7	421	307.4	331	2	765
BALLATER RES	0.0%	296.4	224	12.9	117	3,046.1	260	309.3	330	9	102
TORINO OIL & G	84.4%	294.2	225	-	469	3,621.2	249	1,886.1	215	7	521
ROCK RIVER RES	93.2%	286.6	226	-	419	6,139.3	217	4,216.5	166	12	687
SOGAR RES LTD.	98.1%	286.3	227	22.9	109	10,439.2	188	16,280.5	100	47	1,560
AMERICAN LEDUC	0.0%	277.8	228	-	173	4,802.5	230	277.8	336	4	58

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
SEPT. RESOURCE	0.0%	276.3	229	-	428	85.2	481	276.3	337	1	3,243
CANADIAN JOREX	97.7%	274.6	230	0.3	160	10,942.5	186	11,785.5	113	11	1,077
97837 RES	41.5%	270.3	231	-	506	1,554.1	327	462.3	304	2	298
ARRIVAL ENERGY	35.9%	263.7	232	-	181	20,031.1	149	411.4	314	5	21
HURRICANE HYDR	0.0%	263.2	233	-	307	1,550.4	328	263.2	338	6	170
KEYWEST ENERGY	90.9%	260.9	234	4.2	139	18,863.4	154	2,908.6	186	45	154
OWL RIVER RESO	0.0%	249.3	235	-	367	576.7	401	249.3	339	1	432
PANCANADIAN	99.7%	247.4	236	-	371	41,853.1	104	71,280.2	50	63	1,703
CHIRRIPO RESOU	77.0%	245.3	237	-	238	1,794.9	315	1,068.3	248	8	595
TAURUS EXPLORA	0.0%	243.7	238	-	455	759.9	377	243.7	341	4	321
LEDDY EXPLOR	93.6%	240.5	239	6.3	132	16,249.3	159	3,853.1	171	28	237
CONCERTO RES	33.0%	238.2	240	-	248	1,136.2	348	355.3	323	6	313
ENERGY NORTH	77.5%	234.5	241	-	272	13,739.2	169	1,042.7	251	51	76
PRISM PETRO	94.2%	231.5	242	7.5	129	5,090.6	227	4,094.8	169	26	804
CANYON CREEK	42.7%	228.6	243	-	231	645.9	387	399.1	316	3	618
NU-SKY ENERGY	0.0%	228.0	244	-	356	3,767.5	246	228.0	343	10	61
ADANAC O&G LTD	97.0%	227.1	245	-	166	3,374.4	252	7,449.4	137	9	2,208
ALPETRO RESOUR	0.0%	220.5	246	-	170	2,263.9	291	220.5	346	1	97
LIBERTY O&G	97.8%	219.0	247	-	332	3,258.0	257	9,855.5	123	9	3,025
GLN ISLE EXPLR	0.0%	218.1	248	-	294	1,651.9	325	218.1	347	2	132
CNPC CANADA	90.3%	204.5	249	-	241	7,222.8	209	2,110.0	209	25	292
C & T RES	82.9%	190.4	250	-	214	2,072.7	300	1,116.0	244	5	538
LEXOIL INC.	15.3%	188.0	251	125.2	60	2,242.2	293	369.7	318	2	165
ADDISON ENERGY	98.9%	186.8	252	74.2	76	6,344.4	216	24,487.1	87	54	3,860
COMPTON PETROL	99.1%	181.1	253	-	247	8,910.5	198	19,632.9	97	21	2,203
GOLDEN TREND	0.0%	173.1	254	-	295	4,193.0	239	173.1	352	10	41
TAKU GAS	68.0%	170.1	255	-	454	14,099.8	168	530.8	300	31	38
BELAIR ENERGY	73.7%	170.0	256	-	192	3,371.9	253	646.8	284	9	192
BXL ENERGY LTD	0.0%	159.0	257	-	213	1,372.0	336	159.0	355	1	116
OPTIMUS ENERGY	1.1%	139.7	258	1.4	150	574.0	402	142.7	359	3	249
PANATLAS ENERG	98.8%	139.0	259	-	370	29,702.4	117	11,577.2	115	50	390
439 O&G	0.0%	138.9	260	-	502	1,889.9	308	138.9	360	16	74
BLUESTONE RESO	43.2%	138.3	261	-	205	162.2	461	243.7	340	1	1,503
HORNET ENERGY	62.5%	138.2	262	0.3	161	1,077.7	356	369.1	319	3	343
QUINTANA MINER	78.4%	137.2	263	35.9	95	13,177.4	174	800.1	268	14	61
KANTEC PETE S	94.6%	129.8	264	-	321	670.8	382	2,398.6	199	8	3,576
CALAHOO PETRO	95.4%	129.5	265	-	217	2,895.0	265	2,837.7	189	16	980
MESQUITE ENERG	0.2%	120.0	266	0.4	159	2,348.8	286	120.7	365	9	51

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
VIKING ENERGY	99.1%	119.4	267	-	488	22,220.5	143	13,042.5	107	90	587
BERRY CK RES	12.3%	116.0	268	-	196	378.4	424	132.3	363	3	350
AQUILO ENERGY	0.0%	115.1	269	-	176	975.3	363	115.1	369	2	118
MEOTA RESOURCE	0.0%	113.1	270	-	341	2,243.3	292	113.1	370	1	50
BELFAST PETROL	98.5%	111.4	271	6.2	133	2,834.2	268	7,867.6	134	6	2,776
ALTA SELECTA	8.4%	106.9	272	-	171	843.8	372	116.7	368	1	138
CANNON OIL & G	0.0%	106.3	273	-	227	559.7	404	106.3	373	1	190
LEXXOR ENERGY	86.1%	105.5	274	-	331	316.3	432	761.5	274	1	2,408
PURE OIL & GAS	93.9%	104.5	275	-	398	1,836.1	309	1,720.7	218	14	937
CIRCUMPACIFIC	64.3%	104.4	276	-	239	7,099.4	210	292.6	333	6	41
INTERNATIONALG	0.0%	104.3	277	-	312	284.9	439	104.3	376	1	366
INTER SOVEREIG	12.8%	103.6	278	-	311	4,359.1	236	118.8	367	4	27
CHADAMATT RESO	55.9%	103.1	279	-	236	1,544.2	329	233.7	342	8	151
CANGILD RES	31.0%	102.5	280	-	226	921.1	369	148.6	357	3	161
BONTERRA ENERG	95.5%	98.7	281	413.9	37	48,883.6	94	11,317.5	116	136	232
PETROBANK ENGY	96.7%	98.5	282	-	382	1,720.7	321	2,983.3	185	3	1,734
COLBY, C	71.4%	94.3	283	-	242	2,781.0	272	329.3	328	15	118
STOCKWORK PROP	18.8%	87.8	284	-	443	151.3	464	108.1	372	1	715
CELSIUS ENERGY	97.0%	87.6	285	2.9	143	10,137.5	191	3,008.9	184	13	297
MUTINY O&GLTD	40.6%	87.6	286	-	348	93.6	478	147.5	358	3	1,576
SUPERMAN RESOU	0.0%	85.8	287	-	449	1,127.1	350	85.8	381	1	76
ESKER RESOURCE	0.0%	83.8	288	-	275	2,821.3	269	83.8	382	2	30
PENG CONS LTD	37.4%	83.2	289	122.1	62	1,264.4	340	328.0	329	3	259
GIBSON PETROLE	84.0%	82.7	290	-	292	7,970.0	206	516.7	302	3	65
WHITE RIVER PE	0.0%	79.7	291	-	495	198.9	448	79.7	383	3	401
OPERATIONS MNG	92.3%	79.6	292	-	365	366.2	426	1,032.3	252	1	2,819
BTU RESOURCES	0.0%	78.9	293	-	211	1,812.1	313	78.9	384	1	44
TOREX RESOURCE	96.9%	77.6	294	85.2	72	5,318.4	223	5,288.3	152	32	994
CALCRUDE OILS	98.5%	77.1	295	-	218	41,848.0	105	5,232.2	154	35	125
GRACE RESOURCE	0.0%	75.8	296	-	296	304.0	433	75.8	385	2	249
FOUNDERS ENERG	99.1%	75.6	297	11.0	120	6,805.1	213	9,837.1	124	12	1,446
RIATA RESOURCE	97.9%	75.0	298	-	412	1,083.5	355	3,512.5	177	13	3,242
PETROVERA RESO	19.5%	74.3	299	1,685.8	17	302,220.7	36	2,187.8	206	671	7
OAKTREE RESOUR	0.0%	74.2	300	-	358	177.8	455	74.2	386	1	417
NEW CENTURY	88.1%	72.8	301	-	350	5,877.9	218	613.8	290	11	104
APF ENERGY INC	99.2%	71.4	302	-	175	26,072.8	126	8,911.6	130	58	342
GEOCAN ENERGY	0.0%	71.4	303	-	290	1,407.6	333	71.4	389	1	51
KAM'S SAND COA	22.2%	70.9	304	-	320	961.7	366	91.1	379	1	95

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
CROWNJOULE EXP	96.5%	68.1	305	-	254	1,002.5	361	1,969.2	211	12	1,964
LEGAL O&G	95.1%	67.8	306	-	330	2,090.3	299	1,386.1	236	6	663
ALTAQUEST ENER	98.0%	67.3	307	-	172	1,128.6	349	3,429.6	178	2	3,039
OUTLOOK ENERGY	0.0%	66.5	308	-	366	881.2	371	66.5	393	1	76
JACO ENERGY	96.1%	66.2	309	-	314	4,644.7	232	1,694.2	219	12	365
RUSTUM PETRO	0.0%	60.2	310	-	422	2,862.8	266	60.2	395	1	21
TRARION RES	92.4%	59.7	311	-	473	332.8	431	783.0	271	4	2,353
SIGA RESOURCES	32.8%	58.5	312	-	435	567.8	403	87.0	380	1	153
MAG TEC IND	67.1%	55.7	313	-	334	220.5	446	169.1	353	1	767
ONLY GAS & OIL	84.6%	55.5	314	-	364	370.7	425	361.1	321	1	974
RAIDER RES	0.0%	53.1	315	-	402	452.2	413	53.1	399	3	117
SOUTH RIDGE MA	0.0%	46.8	316	-	439	296.7	435	46.8	401	1	158
MERA PETRO	80.0%	44.5	317	-	342	899.2	370	222.6	345	3	248
CRISPIN RESOUR	0.0%	43.3	318	-	253	1,155.7	346	43.3	405	4	38
ALEXANDER OIL	59.3%	43.1	319	-	169	993.7	362	106.0	374	4	107
FERRYBANK RESO	0.0%	42.8	320	-	278	548.2	405	42.8	406	6	78
QUESTAR ENERGY	0.0%	42.1	321	-	401	1,582.8	326	42.1	407	1	27
RISE RESOURCES	97.5%	42.1	322	-	417	2,020.1	303	1,668.2	221	6	826
ARTEMIS ENERGY	92.7%	37.7	323	-	182	134.7	472	518.3	301	2	3,848
TRI-MENT CORPO	0.0%	34.9	324	70.9	78	272.9	440	105.8	375	2	388
CORSAIR EXPLOR	0.0%	34.8	325	-	250	14.5	500	34.8	410	1	2,400
TIKAL RESOURCE	99.9%	34.5	326	-	465	18,450.0	155	37,360.7	73	29	2,025
NEW NORTH	0.0%	34.4	327	-	351	1,109.5	353	34.4	411	1	31
POWERMAX ENERG	0.0%	32.0	328	-	391	473.3	409	32.0	414	2	68
DUE WEST RESOU	94.6%	31.5	329	14.7	116	6,701.5	214	851.7	264	26	127
MAXIMUM HOLDIN	98.5%	29.4	330	26.1	106	19,484.7	153	3,669.2	174	72	188
EUROGAS CORPOR	7.0%	27.3	331	0.6	154	2,376.6	285	30.0	416	26	13
CANADIAN FORES	99.8%	27.0	332	-	224	25,460.8	130	12,027.0	112	127	472
SAN JUAN RES	97.1%	25.5	333	0.3	162	1,386.2	335	900.0	259	2	649
FAIR MOST RESO	96.1%	23.3	334	-	276	2,649.2	275	594.6	292	1	224
POSTELL ENERGY	99.0%	23.3	335	-	390	1,353.1	337	2,238.8	203	14	1,655
CANOGA RES MGT	0.0%	22.3	336	-	228	148.4	466	22.3	419	2	150
MIKA RESOURCES	98.1%	20.8	337	-	344	445.2	416	1,080.6	246	3	2,427
352119 ALTA	0.0%	20.0	338	-	500	601.7	393	20.0	422	1	33
DEVEXCO RES	21.1%	18.0	339	-	262	243.6	442	22.8	418	1	94
CRAZY HILL	0.0%	17.2	340	2.0	146	1,691.0	323	19.2	424	4	11
PLAYER PET	0.0%	16.0	341	-	387	798.8	374	16.0	427	2	20
ATLAS ENERGY L	0.0%	15.9	342	-	184	31.4	493	15.9	428	1	506

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
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COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
TETRA PETROLEU	97.3%	15.0	343	-	460	2,819.5	270	547.8	297	26	194
TREND RES	0.0%	14.6	344	-	474	73.0	486	14.6	430	1	200
RIDER RES	99.8%	13.4	345	-	415	2,834.8	267	6,393.6	144	6	2,255
ANKERTON HOLD	16.0%	13.1	346	-	174	112.4	475	15.6	429	2	139
PETAL RES	89.6%	12.6	347	-	380	2,023.0	302	120.6	366	1	60
FLUVIAL RESOUR	38.2%	12.3	348	33.4	98	697.5	379	74.0	387	3	106
RANGEX RES LTD	77.8%	11.2	349	10.2	123	1,968.2	306	96.2	378	4	49
OILTEC RES	0.0%	10.9	350	-	361	624.0	390	10.9	433	1	18
KAISER-FRANCIS	95.0%	10.7	351	-	319	4,301.3	237	214.9	348	16	50
SUBSURFACE	0.0%	10.4	352	-	446	7.0	502	10.4	434	1	1,486
AVORD OIL & GA	70.9%	10.1	353	5.5	134	13,720.6	170	53.7	398	17	4
BRANDON ENERGY	0.0%	8.3	354	-	209	22.4	497	8.3	437	1	371
T & E OILS	74.8%	8.1	355	-	452	1,785.9	316	32.1	412	4	18
BLACK TUSK ENE	99.9%	8.0	356	-	200	2,687.2	274	6,361.7	146	3	2,367
DGS OIL & GAS	0.0%	7.9	357	-	263	600.7	396	7.9	439	2	13
FARPOINT ENERG	59.9%	6.7	358	-	277	257.4	441	16.7	426	2	65
BUMPER DEV	99.9%	6.5	359	-	212	1,951.6	307	7,556.7	136	15	3,872
COLENCO PETRO	60.2%	6.4	360	0.6	153	135.5	471	17.6	425	2	130
DAY ENGY	0.0%	6.1	361	-	258	85.1	482	6.1	442	1	72
DIRHAM CONSTRU	0.0%	6.0	362	-	264	230.8	444	6.0	444	1	26
TRANS WORLD OI	0.0%	6.0	363	-	472	605.4	392	6.0	445	2	10
NEWCAL ENERGY	3.3%	5.9	364	-	352	182.9	453	6.1	443	2	33
BEAVER LAKE	99.5%	4.4	365	-	191	2,152.3	298	848.6	265	11	394
WASCANA ENERGY	56.9%	4.0	366	1,006.8	23	162,770.3	50	2,346.2	200	197	14
SPIRIT CORPORA	99.9%	4.0	367	4.0	140	1,757.4	319	5,842.8	149	9	3,325
CARNICO O&G	99.7%	4.0	368	-	232	5,746.3	219	1,524.8	229	33	265
KOSOWAN HYDCRB	94.0%	3.5	369	185.0	51	3,084.7	259	3,123.9	182	16	1,013
SERAFIN RES	99.6%	2.6	370	-	429	174.8	457	670.5	280	2	3,836
REBER EXPLOR	0.0%	2.1	371	-	407	183.1	452	2.1	449	2	12
KENSINGTON ENE	0.0%	1.8	372	-	323	116.4	474	1.8	450	1	16
TERRA RICA RES	47.5%	1.0	373	28.6	104	1,229.1	343	56.4	396	1	46
ARGONAUTS GROU	100.0%	0.2	374	-	180	45,108.3	99	2,448.1	198	71	54
ICON ENERGY LI	0.0%	0.1	375	0.6	155	2,382.5	283	0.7	453	1	0
KOCH EXPLORATI	4.6%	-	376	17,941.6	6	379,744.4	28	18,799.3	98	315	50
VAL VISTA ENER	0.0%	-	377	454.0	36	3,019.9	262	454.0	306	2	150
PASSAGE ENERGY	45.9%	-	378	342.9	42	30,835.8	115	633.9	286	143	21
VETERAN RES	0.0%	-	379	305.7	44	2,158.0	297	305.7	332	2	142
TOUCHWOOD PETR	0.0%	-	380	153.5	54	2,941.8	264	153.5	356	7	52

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
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COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
SLAVE RIVER EX	0.0%	-	381	138.5	55	15,803.3	160	138.5	361	2	9
AMOIL RESOURCE	32.9%	-	382	134.4	58	2,517.6	277	200.3	349	4	80
CARAVAN OIL &	98.9%	-	383	109.8	65	25,756.5	129	10,368.9	121	18	403
SAFFRON ENERGY	0.0%	-	384	67.3	80	597.9	398	67.3	392	1	113
GOLD RIDGE INV	0.0%	-	385	63.0	82	196.5	449	63.0	394	1	321
QB ENERGY CORP	0.0%	-	386	56.3	85	539.6	406	56.3	397	4	104
WESTLINKS RESO	61.2%	-	387	52.9	86	1,429.7	332	136.2	362	3	95
WILLIAMS ENERG	0.0%	-	388	46.8	92	2,404.4	281	46.8	402	5	20
W ROCK ENGY	99.1%	-	389	37.5	94	16,881.6	157	4,056.8	170	26	240
SILVER BLAZE	90.0%	-	390	29.3	102	2,163.7	296	292.1	334	14	135
MYRIAD ENERGY	93.6%	-	391	28.7	103	1,151.7	347	450.9	307	6	392
CHARPET RESOUR	76.1%	-	392	24.5	108	450.7	415	102.5	377	3	227
RIDAL RESOURCE	0.0%	-	393	19.5	114	2,017.1	304	19.5	423	5	10
ALKA RESOURCES	49.4%	-	394	16.2	115	335.7	430	32.0	413	1	95
DANTEL RES	0.0%	-	395	11.2	119	108.2	476	11.2	432	2	104
SPHERE ENERGY	97.6%	-	396	9.9	125	382.0	423	410.3	315	2	1,074
TRENTON ENERGY	97.3%	-	397	9.9	126	1,986.6	305	367.3	320	6	185
FIRST STAR	0.0%	-	398	8.0	128	65.5	487	8.0	438	1	122
WEST ALTA RES	98.7%	-	399	7.2	130	2,450.8	280	533.9	298	8	218
HILLSDALE DRLG	0.0%	-	400	6.5	131	971.5	364	6.5	441	6	7
EASTNELL RES	0.0%	-	401	4.7	136	101.2	477	4.7	447	1	46
DYNATECH PETRO	56.0%	-	402	2.2	145	285.1	438	5.0	446	1	18
NAPTHA RES	0.0%	-	403	1.4	149	136.0	470	1.4	451	1	10
HORNBECK RES	0.0%	-	404	0.9	152	390.0	422	0.9	452	1	2
SEFFIAN PETROL	0.0%	-	405	0.6	157	180.7	454	0.6	455	1	3
291574 ALTA	0.0%	-	406	0.5	158	172.2	458	0.5	456	1	3
TOUCHSTONE PET	96.4%	-	407	0.1	164	143.7	468	2.8	448	4	20
AEGIS ENERGY L	100.0%	-	408	-	167	80.2	483	9.0	436	5	112
ALBERTA PETROL	0.0%	-	409	-	168	1,269.4	339	-	459	4	0
AREA I RECL	100.0%	-	410	-	179	600.7	395	41.6	408	3	69
ATCO MIDSTREAM	100.0%	-	411	-	183	659.7	383	870.4	262	2	1,319
AVALON ENERGY	100.0%	-	412	-	186	292.2	436	72.4	388	1	248
AVONDALE ENERG	100.0%	-	413	-	187	582.1	400	1,339.1	239	1	2,301
BARCOMP PETRO	0.0%	-	414	-	188	8,983.3	197	-	460	28	0
BELLATOR EXP	0.0%	-	415	-	193	4,297.4	238	-	461	1	0
BLACKROCK VENT	0.0%	-	416	-	201	1,733.7	320	-	462	2	0
BLAZE ENERGY	100.0%	-	417	-	202	649.7	386	435.4	309	5	670
CALVALLEY PETR	100.0%	-	418	-	219	-	503	169.0	354	-	no oil prod

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
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COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
CANADIAN BLACK	100.0%	-	419	-	222	637.9	388	635.4	285	8	996
CANADIAN COAST	0.0%	-	420	-	223	19.7	499	-	463	1	0
CDN 88 RES	100.0%	-	421	-	235	1,119.0	351	69.1	391	6	62
CML RESOURCES	0.0%	-	422	-	240	28.4	495	-	464	1	0
COLDSTREAM ENR	0.0%	-	423	-	243	348.6	428	-	465	3	0
CONDOR RESOURC	100.0%	-	424	-	249	28.1	496	0.4	457	5	14
CRESWICK PETRO	100.0%	-	425	-	251	1,037.3	357	128.4	364	7	124
DALTON RES	100.0%	-	426	-	255	462.5	412	356.9	322	11	772
DARK ENERGY LT	0.0%	-	427	-	256	949.7	367	-	466	2	0
DAVILIN ENERGY	0.0%	-	428	-	257	54.7	488	-	467	1	0
DEER CREEK ENE	0.0%	-	429	-	259	5,267.8	225	-	468	7	0
DEPAR MNGMNT	0.0%	-	430	-	261	2,266.0	290	-	469	3	0
DUKE ENERGY SE	100.0%	-	431	-	267	-	504	1,995.4	210	1	no oil prod
ECLIPSE RESOUR	100.0%	-	432	-	269	2,381.9	284	803.6	267	17	337
EMBO PETROLEUM	0.0%	-	433	-	270	163.3	459	-	470	1	0
ENERGY SPECTRU	100.0%	-	434	-	273	9,808.2	192	28,956.9	80	2	2,952
ENTEX PETROLEU	0.0%	-	435	-	274	803.9	373	-	471	2	0
FINESSE EXPLOR	0.0%	-	436	-	279	929.8	368	-	472	1	0
FOOTHILL O&G L	100.0%	-	437	-	280	2,502.3	278	52.1	400	5	21
FORENT ENERGY	0.0%	-	438	-	281	162.9	460	-	473	1	0
FORTE ENERGY L	100.0%	-	439	-	282	652.8	385	3,129.8	181	9	4,794
FOX ENGY CORP	100.0%	-	440	-	284	2,341.7	287	180.0	350	4	77
FRASER O & G	0.0%	-	441	-	285	1,229.1	342	-	474	2	0
FREEHOLD RESOU	100.0%	-	442	-	286	682.4	381	45.6	404	1	67
GEODYNE	0.0%	-	443	-	291	1,028.2	360	-	475	5	0
GRAND RAPIDS P	0.0%	-	444	-	297	594.6	399	-	476	1	0
GRANDIR RESOUR	100.0%	-	445	-	298	1,699.8	322	2,124.2	208	5	1,250
GRIZZLY HLDS	100.0%	-	446	-	300	3,264.3	256	283.1	335	9	87
HALVAR RES	100.0%	-	447	-	301	12,480.6	178	176.5	351	33	14
HERC OIL CORP.	100.0%	-	448	-	303	463.7	411	7.9	440	-	17
HIGH PLAINS EN	0.0%	-	449	-	304	793.2	375	-	477	2	0
HOPEFORD RES	100.0%	-	450	-	305	221.4	445	35.0	409	3	158
HUEGLER HLDGS	0.0%	-	451	-	306	2,303.6	288	-	478	11	0
JEFFCO HLDG	100.0%	-	452	-	316	2,487.6	279	225.5	344	13	91
KYJO RESOURCES	0.0%	-	453	-	325	656.2	384	-	479	3	0
LAND PETROLEUM	100.0%	-	454	-	327	151.2	465	0.7	454	1	5
LASH OIL CO	100.0%	-	455	-	329	2,221.0	294	22.0	420	5	10
MARENGO EXPLOR	0.0%	-	456	-	337	51.0	489	-	480	1	0

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
MARNELL RES	100.0%	-	457	-	338	1,532.0	330	600.8	291	16	392
MCGINNIS IND	100.0%	-	458	-	340	86.8	480	111.2	371	1	1,281
MISTAHIYA RES	100.0%	-	459	-	345	599.9	397	30.8	415	8	51
MURELLE ENTERP	100.0%	-	460	-	346	219.0	447	1,061.0	249	1	4,845
NIAGA ENERGY C	0.0%	-	461	-	354	158.1	462	-	481	2	0
OASIS PETRO	0.0%	-	462	-	359	2,805.1	271	-	482	1	0
PACIFIC CASSIA	100.0%	-	463	-	368	289.1	437	350.0	324	1	1,211
PALLISER ENERG	100.0%	-	464	-	369	23,621.8	136	977.7	256	23	41
PATMAC RESOURC	0.0%	-	465	-	376	1,271.3	338	-	483	4	0
PIVOTAL ENERGY	0.0%	-	466	-	385	303.4	434	-	484	1	0
POCAHONTAS PET	0.0%	-	467	-	388	147.5	467	-	485	1	0
PRINCE RES	0.0%	-	468	-	392	1,118.2	352	-	486	2	0
PROMPT PETROLE	0.0%	-	469	-	394	153.7	463	-	487	3	0
PROVOST PETRO	0.0%	-	470	-	395	464.2	410	-	488	7	0
PURCELL ENGY	100.0%	-	471	-	396	74.7	485	3,549.7	175	2	47,519
PURCHASE O&G	100.0%	-	472	-	397	80,592.0	78	1,634.4	222	64	20
QUEST ENERGY	0.0%	-	473	-	400	687.4	380	-	489	7	0
RANCHERO OIL &	0.0%	-	474	-	404	418.9	418	-	490	4	0
RAPTOR CAPITAL	0.0%	-	475	-	405	1,780.6	318	-	491	3	0
REA RESOURCES	100.0%	-	476	-	406	126.0	473	28.2	417	-	224
RED COAT O&G	0.0%	-	477	-	408	1,181.1	344	-	492	2	0
RICHANN CONT	0.0%	-	478	-	413	4,051.2	241	-	493	4	0
ROBERTS BAY RE	100.0%	-	479	-	418	1,397.4	334	3,514.9	176	2	2,515
RWTR WTR DISP	0.0%	-	480	-	423	12,565.0	177	-	494	1	0
SAHH RES LTD	0.0%	-	481	-	425	3,195.3	258	-	495	21	0
SARG OILS	100.0%	-	482	-	426	767.1	376	12.0	431	6	16
SHAPCO RES	100.0%	-	483	-	432	753.2	378	2,871.6	188	4	3,813
SILVER BAY RES	100.0%	-	484	-	436	1,036.2	359	669.2	281	1	646
SLADE ENERGY I	0.0%	-	485	-	438	33.9	491	-	496	1	0
STARCHILD ENGY	100.0%	-	486	-	441	30.4	494	0.4	458	1	13
STREGA ENERGY	0.0%	-	487	-	445	20.5	498	-	497	-	0
SUNTEX ENERGY	100.0%	-	488	-	448	404.7	420	45.7	403	2	113
T.T.P. OIL	100.0%	-	489	-	453	359.1	427	346.6	326	13	965
TERRENEX VENT	100.0%	-	490	-	458	-	505	1,115.9	245	-	no oil prod
THE PREDATOR C	0.0%	-	491	-	461	1,177.1	345	-	498	2	0
TIARA MINING	0.0%	-	492	-	463	33.8	492	-	499	1	0
TIMBERWOLF RES	0.0%	-	493	-	466	2,163.9	295	-	500	2	0
TITANIA RESOUR	100.0%	-	494	-	467	1,835.4	310	69.8	390	2	38

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR ALBERTA
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
TUDOR CORP LTD	100.0%	-	495	-	478	-	506	895.6	260	1	no oil prod
TUSCANY ENERGY	0.0%	-	496	-	481	88.7	479	-	501	2	0
UNICORN AGRI	0.0%	-	497	-	483	601.3	394	-	502	1	0
VALKYRIE	0.0%	-	498	-	484	9.6	501	-	503	1	0
VIRIDIAN INC.	100.0%	-	499	-	490	1,783.8	317	10.4	435	5	6
WAKE	0.0%	-	500	-	491	191.5	450	-	504	1	0
WESTRIDGE PETR	100.0%	-	501	-	494	451.1	414	1,508.4	230	4	3,344
155725 CANADA	100.0%	-	502	-	498	633.8	389	756.5	275	5	1,194
385417 ALTA	100.0%	-	503	-	501	1,803.2	314	20.1	421	6	11
519907 ALTA	0.0%	-	504	-	503	76.3	484	-	505	1	0
545279 ALTA	0.0%	-	505	-	504	143.2	469	-	506	1	0
770955 ALBERTA	100.0%	-	506	-	505	188.2	451	616.7	289	1	3,277
PROVINCIAL TOTAL	**94.6%**	**935,656.4**		**328,305.2**		**57,709,384.2**		**23,503,110.6**		**52,236**	**407**

Source of Information

The data contained in this file consists of selected information summarized from the S-2 monthly statements. These statements are filed with the EUB by companies on a monthly basis and include the disposition of oil, gas and water produced or received by a battery. Further details on the S-2 monthly statement are given in the Production Accounting Handbook Guide 7. The details for the above information on a battery basis is available in EUB publication ST 60A.

The summary data includes monthly battery data for crude oil (battery types 1-6) and crude bitumen (battery types 12-15) batteries. Battery types are assigned by the company when it applies for a new battery code (see Guide 7 – Appendix 3).

Please note that the company abbreviations may be different than that used for well naming purposes.

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR BONNYVILLE
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
PANCAN RESOURC	6.6%	20,850.4	1	32,205.3	3	253,979.4	8	56,789.2	4	104	224
IMP OIL RES LT	98.5%	4,966.4	2	-	20	7,654,107.2	1	332,370.8	1	2,860	43
MURPHY OIL COM	0.0%	4,776.0	3	-	23	66,766.7	12	4,428.1	11	93	66
AMOCO CANADA P	47.1%	4,118.2	4	-	17	1,326,081.9	3	7,781.6	9	774	6
CDN NAT RES	61.8%	2,114.5	5	68,442.7	1	1,849,993.8	2	184,684.3	2	1,219	100
ALTA ENERGY	6.8%	1,696.1	6	17,371.8	6	147,690.0	10	20,467.3	5	174	139
NUMAC ENERGY	22.0%	960.9	7	824.1	10	92,661.8	11	2,287.9	12	129	25
AMBER ENGY	0.0%	146.1	8	133.8	14	4,637.8	20	279.9	19	-	60
BARRINGTON PET	59.5%	94.2	9	2,279.9	8	63,928.4	13	5,855.4	10	84	92
UNION PACIFIC	7.6%	49.9	10	18,656.6	4	386,678.8	5	20,253.2	6	629	52
BURLINGTON RES	0.0%	40.0	11	45.0	15	24,392.2	17	85.0	21	72	4
HUSKY OIL OPER	41.6%	4.6	12	5,733.1	7	203,322.3	9	9,828.5	8	129	48
RANGER OIL LIM	0.1%	-	13	64,326.8	2	612,003.3	4	64,403.6	3	970	105
KOCH EXPLORATI	4.6%	-	14	17,941.6	5	379,711.6	6	18,799.3	7	314	50
PETROVERA RESO	20.3%	-	15	1,682.6	9	297,443.4	7	2,110.3	13	659	7
PASSAGE ENERGY	36.5%	-	16	342.9	11	24,590.0	16	539.7	15	78	22
BENSON PETRO	0.0%	-	17	294.4	12	4,812.1	19	294.4	17	7	61
ANDERSON RESOU	5.1%	-	18	184.1	13	16,154.3	18	194.0	20	24	12
EOG RESOURCES	0.0%	-	19	36.2	16	4,504.2	21	36.2	23	2	8
BONAVISTA PETR	100.0%	-	20	-	18	-	25	290.6	18	2	no oil prod
CALVALLEY PETR	100.0%	-	21	-	19	-	26	49.6	22	-	no oil prod
MARATHON CANAD	0.0%	-	22	-	21	16.0	24	-	25	-	-
MOBIL	100.0%	-	23	-	22	26,530.6	15	511.5	16	29	19
PURCHASE O&G	100.0%	-	24	-	24	26,849.7	14	677.9	14	7	25
RENAISSANCE	100.0%	-	25	-	25	2,107.8	22	13.9	24	4	7
THE PREDATOR C	0.0%	-	26	-	26	1,177.1	23	-	26	2	-
TOTALS FOR BONNYVILLE	**63.1%**	**39,817.3**		**230,500.9**		**13,470,140.4**		**733,032.2**		**8,365**	**54**

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR CALGARY

RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
RENAISSANCE	72.0%	7,367.1	1	197.0	7	72,505.6	10	26,997.5	13	85	372
PANCAN RESOURC	97.2%	5,968.2	2	719.4	2	696,021.9	1	237,891.7	1	407	342
CRESTAR ENERGY	95.3%	5,232.4	3	90.3	14	164,716.1	5	112,512.5	4	119	683
NORTHSTAR ENGY	87.6%	4,423.1	4	1,218.6	1	179,320.0	4	45,498.5	11	196	254
MOBIL	80.2%	3,364.5	5	70.2	17	230,860.0	3	17,339.6	22	106	75
UNION PACIFIC	95.1%	2,827.8	6	36.5	22	370,668.1	2	58,694.6	7	167	158
MARATHON CANAD	97.7%	2,230.1	7	296.8	4	158,673.3	6	108,254.1	5	137	682
HUNT OIL	87.0%	1,464.6	8	42.5	21	20,681.7	25	11,609.2	26	11	561
RANGER OIL LIM	91.9%	1,376.7	9	265.1	5	42,306.6	16	20,364.4	19	90	481
EDGE ENERGY IN	81.8%	1,362.1	10	7.1	28	29,622.8	20	7,538.5	34	36	255
CDN 88 ENERGY	0.0%	1,297.9	11	-	56	12,203.2	32	1,297.9	55	7	106
MERIT ENERGY	75.7%	1,218.8	12	-	82	16,576.3	26	5,010.3	37	48	302
ROZSA PETRO	94.5%	1,192.2	13	124.0	10	54,155.1	14	23,965.2	17	63	443
TRIGAS EXPL	58.5%	1,068.8	14	-	121	1,037.0	73	2,576.9	48	1	2,485
CDN NAT RES	98.2%	1,044.6	15	-	55	60,021.0	12	57,984.5	9	140	966
STAMPEDE OILS	0.0%	1,029.2	16	-	113	40.4	124	1,029.2	61	1	25,475
NCE RES GP	86.3%	1,028.2	17	63.8	18	15,445.6	27	7,946.4	33	21	515
CYPRESS ENERGY	95.8%	863.6	18	-	63	6,331.4	40	20,458.7	18	23	3,231
BACKER PETRO	4.2%	843.4	19	-	43	735.2	81	880.2	62	2	1,197
TALISMAN ENERG	99.4%	764.7	20	-	118	139,683.7	7	131,046.5	3	102	938
BEARSPAW PETRO	97.5%	759.1	21	-	44	60,118.4	11	30,094.7	12	61	501
CONTOUR ENERGY	72.9%	754.8	22	35.7	23	10,679.4	34	2,917.0	46	4	273
ROCKY MOUNTAIN	0.0%	715.7	23	-	105	4,969.0	41	715.7	65	5	144
NYCAN ENERGY C	17.5%	711.2	24	-	87	1,611.2	61	861.6	63	2	535
AMOCO CANADA P	98.7%	674.0	25	-	35	1,507.0	65	50,346.0	10	10	33,408
STARTECH ENERG	97.0%	673.4	26	107.8	11	22,465.7	24	26,198.3	14	34	1,166
ARCHEAN ENERGY	0.0%	665.6	27	-	39	2,996.9	44	665.6	68	3	222
CDN FOREST OIL	97.3%	653.6	28	42.8	20	24,413.8	23	25,461.4	15	19	1,043
HUSKY OIL OPER	99.1%	591.1	29	214.4	6	80,508.9	9	88,849.6	6	61	1,104
CDN HUNTER	0.0%	515.5	30	-	54	752.7	80	515.5	71	1	685
SLS RESOUR	13.2%	499.5	31	99.2	13	176.7	110	690.1	67	1	3,906
CAUSEWAY ENERG	95.9%	483.2	32	77.4	15	28,016.7	21	13,786.7	25	46	492
BEST PACIFIC	97.2%	420.3	33	-	46	2,625.4	47	15,212.8	24	22	5,795
BELMONT ENERGY	0.0%	388.2	34	-	45	325.2	98	388.2	74	2	1,194
ANDERSON	97.0%	347.4	35	-	36	25,005.4	22	11,453.9	28	44	458
INTERNATIONAL	91.2%	334.3	36	2.7	30	31,898.9	18	3,818.8	41	49	120
MANHATTAN RESO	43.5%	318.0	37	-	80	1,891.9	57	563.0	70	5	298

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR CALGARY
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
WESTDRUM ENGY	0.0%	303.3	38	-	123	247.0	104	303.3	78	1	1,228
TORINO OIL & G	84.4%	294.2	39	-	119	3,621.2	42	1,886.1	53	7	521
GULF CAN LTD	99.5%	282.4	40	-	71	9,238.0	35	58,176.5	8	28	6,298
CROSSROADS ENR	57.3%	280.5	41	72.8	16	2,487.2	48	827.0	64	15	333
K2 ENERGY CORP	0.0%	273.3	42	-	76	2,845.0	45	273.3	79	5	96
SEVENTH ENERGY	0.0%	268.2	43	-	106	1,283.1	68	268.2	82	-	209
VINTAGE RESOUR	94.3%	254.6	44	-	122	15,027.6	28	4,435.5	39	35	295
CHIRRIPO RESOU	77.0%	245.3	45	-	58	1,794.9	59	1,068.3	59	8	595
SIGNALTA RES	0.0%	245.2	46	-	110	763.2	79	245.2	83	1	321
MURPHY OIL COM	97.6%	238.7	47	-	84	14,616.2	30	9,946.6	31	11	681
CONCERTO RES	33.0%	238.2	48	-	61	1,136.2	70	355.3	76	6	313
LIBERTY O&G	97.8%	219.0	49	-	78	3,258.0	43	9,855.5	32	9	3,025
MAXX PETROLEUM	0.0%	216.0	50	-	81	354.2	97	216.0	85	2	610
PENGROWTH CORP	97.1%	209.8	51	-	92	56,771.7	13	7,244.5	35	49	128
COMETRA ENERGY	0.0%	197.9	52	-	59	128.8	116	197.9	87	1	1,537
EOG RESOURCES	99.8%	196.7	53	186.6	8	99,135.7	8	200,832.9	2	52	2,026
C & T RES	82.9%	190.4	54	-	49	2,072.7	54	1,116.0	57	5	538
COMPTON PETROL	99.1%	181.1	55	-	60	8,910.5	36	19,632.9	20	21	2,203
LARIO OIL & GA	0.0%	162.9	56	-	77	1,313.8	67	162.9	89	5	124
PETENCO RES	58.1%	157.9	57	-	94	361.0	96	376.5	75	4	1,043
ENERMARK INC.	0.0%	156.8	58	-	67	621.0	82	156.8	90	1	253
PANATLAS ENERG	98.8%	139.0	59	-	90	29,702.4	19	11,577.2	27	50	390
SHANPET RES.	0.0%	136.1	60	-	107	1,521.8	64	136.1	91	4	89
IONIC ENERGY I	41.6%	131.4	61	3.2	29	2,076.7	53	230.4	84	7	111
CABRE EXPLOR	0.0%	121.1	62	-	51	264.1	100	121.1	93	1	459
AQUILO ENERGY	0.0%	115.1	63	-	38	975.3	74	115.1	94	2	118
PIONEER NATURA	90.2%	114.9	64	103.0	12	8,489.7	37	2,224.3	52	22	262
INDRA O & G	0.0%	114.1	65	-	72	800.2	78	114.1	95	1	143
CALAHOO PETRO	0.0%	103.3	66	-	52	174.9	111	103.3	96	1	591
BARRINGTON PET	95.0%	90.9	67	131.0	9	14,702.7	29	4,443.4	38	33	302
SUPERMAN RESOU	0.0%	85.8	68	-	117	1,127.1	71	85.8	97	1	76
C&D O&G	0.0%	85.0	69	-	50	580.5	83	85.0	98	1	146
NAL RES	98.0%	77.4	70	-	85	37,402.9	17	3,954.8	40	26	106
SUMMIT RES	98.7%	67.3	71	60.0	19	6,806.0	39	10,178.7	30	9	1,496
EBOC ENERGY LT	99.4%	65.3	72	-	65	1,884.6	58	10,218.8	29	5	5,422
ENCAL ENGY	0.0%	58.2	73	-	66	475.6	87	58.2	100	1	122
NEW CENTURY	0.0%	57.1	74	-	86	513.1	86	57.1	101	2	111

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR CALGARY
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
GANNON BROS	0.0%	53.2	75	-	69	125.2	118	53.2	103	1	425
SHELL CANADA	99.8%	52.6	76	-	108	47,115.0	15	24,508.8	16	2	520
RAIDER RES	0.0%	51.8	77	-	100	430.6	92	51.8	105	1	120
STORM ENERGY I	70.9%	49.3	78	-	116	848.1	77	169.3	88	3	200
APF ENERGY INC	99.2%	43.2	79	-	37	11,932.9	33	5,455.8	36	36	457
RISE RESOURCES	97.5%	42.1	80	-	103	2,020.1	56	1,668.2	54	6	826
PHILLIPS PET	98.7%	40.1	81	-	95	2,794.9	46	3,074.8	44	4	1,100
PENN WEST PETR	0.0%	27.6	82	-	93	443.1	90	27.6	108	1	62
CELSIUS ENERGY	98.9%	27.4	83	-	57	1,622.4	60	2,551.4	49	1	1,573
POSTELL ENERGY	99.0%	23.3	84	-	97	924.6	76	2,238.8	51	11	2,421
MIKA RESOURCES	98.1%	20.8	85	-	83	445.2	89	1,080.6	58	3	2,427
DEVEXCO RES	21.1%	18.0	86	-	64	243.6	105	22.8	111	1	94
BLUE RANGE COR	0.0%	17.8	87	-	47	182.3	108	17.8	112	1	98
CRISPIN ENERGY	0.0%	16.5	88	-	62	44.4	123	16.5	113	1	372
ALEXANDER OIL	30.6%	15.9	89	-	34	402.7	94	22.9	110	2	57
ATLAS ENERGY L	0.0%	15.9	90	-	40	31.4	125	15.9	114	1	506
BONAVISTA PETR	99.6%	11.4	91	-	48	1,532.8	63	2,973.7	45	8	1,940
KAISER-FRANCIS	95.0%	10.7	92	-	74	2,174.5	51	214.9	86	9	99
TRI LINK RESOU	92.4%	1.8	93	-	120	451.9	88	23.6	109	2	52
VETERAN RES	0.0%	-	94	305.7	3	2,158.0	52	305.7	77	2	142
SILVER BLAZE	91.9%	-	95	21.8	24	1,231.3	69	270.6	80	8	220
ELK POINT RES	0.0%	-	96	12.6	25	397.6	95	12.6	115	1	32
RIDAL RESOURCE	0.0%	-	97	11.3	26	1,589.7	62	11.3	116	3	7
FIRST STAR	0.0%	-	98	8.0	27	65.5	121	8.0	118	1	122
NAPTHA RES	0.0%	-	99	1.4	31	136.0	115	1.4	119	1	10
ACANTHUS RESOU	100.0%	-	100	-	32	53.6	122	30.3	106	1	565
AEGIS ENERGY L	100.0%	-	101	-	33	80.2	120	9.0	117	5	112
AVALANCHE ENER	100.0%	-	102	-	41	562.5	84	269.9	81	1	480
AVALON ENERGY	100.0%	-	103	-	42	292.2	99	72.4	99	1	248
CANADIAN JOREX	0.0%	-	104	-	53	1,068.1	72	-	121	-	-
FINESSE EXPLOR	0.0%	-	105	-	68	929.8	75	-	122	1	-
GENESIS EXPL	100.0%	-	106	-	70	12,643.1	31	701.9	66	16	56
JORDAN PTR	100.0%	-	107	-	73	520.8	85	52.4	104	5	101
KEYWEST ENERGY	100.0%	-	108	-	75	8,289.9	38	2,643.5	47	21	319
MAGIN ENERGY I	100.0%	-	109	-	79	424.2	93	19,504.6	21	4	45,980
OLYMPIA ENGY	100.0%	-	110	-	88	253.9	102	1,232.5	56	2	4,854
OMERS RESOURCE	100.0%	-	111	-	89	263.4	101	1,045.5	60	1	3,969

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR CALGARY
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
PARA-TECH ENER	0.0%	-	112	-	91	192.9	106	-	123	1	-
POCAHONTAS PET	0.0%	-	113	-	96	147.5	113	-	124	1	-
PRIMEWEST ENER	100.0%	-	114	-	98	2,397.9	49	3,090.0	43	2	1,289
PURE OIL & GAS	100.0%	-	115	-	99	181.0	109	121.9	92	1	674
REA RESOURCES	100.0%	-	116	-	101	126.0	117	28.2	107	-	224
RESPONSE ENGY	100.0%	-	117	-	102	160.7	112	54.7	102	5	340
ROBERTS BAY RE	100.0%	-	118	-	104	1,397.4	66	3,514.9	42	2	2,515
SHININGBANK	100.0%	-	119	-	109	2,329.1	50	16,055.5	23	45	6,893
SOGAR RES LTD.	0.0%	-	120	-	111	432.8	91	-	125	3	-
SPHERE ENERGY	100.0%	-	121	-	112	252.4	103	400.4	73	1	1,586
STARCHILD ENGY	100.0%	-	122	-	114	30.4	126	0.4	120	1	13
STELLARTON ENE	100.0%	-	123	-	115	118.4	119	416.9	72	1	3,521
WOLVERINE ENER	100.0%	-	124	-	124	2,056.4	55	2,400.0	50	5	1,167
545279 ALTA	0.0%	-	125	-	125	143.2	114	-	126	1	-
770955 ALBERTA	100.0%	-	126	-	126	188.2	107	616.7	69	1	3,277
TOTALS FOR CALGARY	**95.9%**	**62,386.7**		**4,628.7**		**3,019,932.6**		**1,629,775.5**		**2,801**	**540**

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR DRAYTON VALLEY
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
VERMILION RES	76.6%	6,809.2	1	-	171	78,693.4	11	29,158.5	20	62	371
BURLINGTON RES	95.3%	5,391.9	2	7.9	33	82,181.8	10	114,538.5	6	131	1,394
HUNT OIL	36.5%	5,126.1	3	-	98	26,206.1	25	8,069.6	32	2	308
ENCAL ENGY	87.5%	3,672.5	4	-	85	17,232.4	33	29,345.0	19	32	1,703
PENN WEST PETR	98.3%	3,610.8	5	0.8	41	221,085.6	7	217,544.7	4	1,125	984
AMOCO CANADA P	98.0%	3,549.1	6	35.3	21	363,006.6	3	181,838.5	5	726	501
CRESTAR ENERGY	90.3%	3,265.5	7	23.9	27	56,601.6	15	33,898.3	18	65	599
IMP OIL RES LT	99.0%	2,835.7	8	1.1	39	796,699.1	1	297,492.0	3	506	373
STELLARTON ENE	97.0%	2,368.4	9	-	159	11,816.2	41	77,992.2	9	94	6,600
COMPTON ENERGY	69.4%	2,047.3	10	-	76	83,814.8	9	6,683.1	42	31	80
SUNCOR ENERGY	61.1%	1,802.1	11	37.8	18	13,151.3	39	4,731.2	49	31	360
MAGIN ENERGY I	0.0%	1,792.1	12	-	110	521.1	131	1,792.1	62	3	3,439
GULF CAN LTD	51.9%	1,764.5	13	15.1	28	9,583.2	45	3,696.5	51	22	386
ISH ENERGY LTD	52.7%	1,564.1	14	-	101	1,252.6	102	3,305.6	52	11	2,639
BREDAL ENGY	86.1%	1,523.4	15	-	61	23,166.5	29	10,967.8	31	92	473
WISER OIL CO	0.0%	1,511.0	16	-	173	1,129.1	105	1,511.0	64	1	1,338
NORTHROCK RES	98.6%	1,504.6	17	-	118	28,143.1	22	107,455.2	7	31	3,818
ARC RESOURCES	96.6%	1,276.7	18	-	55	162,037.1	8	37,407.0	15	337	231
BARRINGTON PET	85.0%	1,174.3	19	32.6	23	18,864.3	31	8,028.5	33	27	426
CABRE EXPLOR	0.0%	1,115.7	20	-	63	4,131.4	55	1,115.7	71	1	270
CONTOUR ENERGY	1.8%	1,107.8	21	-	79	1,596.6	92	1,127.8	70	3	706
STARTECH ENERG	93.2%	1,092.2	22	-	158	18,488.6	32	16,169.8	24	26	875
PARAGON PETROL	0.0%	1,013.8	23	-	126	785.1	117	1,013.8	75	2	1,291
TALISMAN ENERG	97.1%	1,010.0	24	128.9	6	226,514.8	6	39,538.9	13	414	175
EOG RESOURCES	97.4%	991.6	25	403.1	4	23,227.5	28	53,782.2	12	75	2,316
PCC ENERGY COR	50.2%	930.2	26	-	128	8,338.4	46	1,869.3	61	5	224
PETRO-CANADA	99.8%	918.2	27	-	132	230,254.9	5	544,673.5	2	158	2,366
BEAU CANADA EX	97.4%	884.4	28	37.5	19	37,362.3	18	35,919.7	17	59	961
MOBIL	97.8%	804.1	29	-	113	245,907.1	4	36,839.4	16	416	150
CONOCO CANADA	94.9%	803.1	30	25.1	25	15,761.5	35	16,136.1	25	23	1,024
BAYTEX ENERGY	19.0%	775.6	31	-	58	4,832.4	53	958.0	76	11	198
DOMCAN EAST AL	31.3%	719.2	32	46.2	16	18,949.6	30	1,113.9	72	15	59
CYPRESS ENERGY	98.1%	714.6	33	483.6	2	3,574.9	60	63,179.3	10	33	17,673
NCE RES GP	98.1%	680.6	34	55.1	13	32,025.9	20	39,446.2	14	112	1,232
PLACE RES	66.2%	653.3	35	-	137	256.8	149	1,932.6	59	3	7,526
COMSTATE RES	95.7%	602.9	36	571.5	1	59,506.8	13	27,379.1	22	188	460
KINWEST RESOUR	0.0%	593.6	37	-	106	2,703.1	71	593.6	84	8	220

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR DRAYTON VALLEY
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
ENERMARK INC.	0.0%	583.5	38	-	87	640.9	121	583.5	85	3	910
CANADIAN ABRAX	75.8%	557.2	39	-	64	120.0	162	2,297.9	57	3	19,149
OMERS RESOURCE	93.2%	535.5	40	-	121	42,627.1	17	7,864.4	35	22	185
DEL ROCA ENERG	0.0%	521.1	41	9.9	31	7,971.5	47	531.0	91	26	67
STAR OIL & GAS	62.0%	500.4	42	-	157	12,299.4	40	1,316.4	68	37	107
ZARGON OIL & G	26.5%	498.3	43	-	174	4,629.8	54	677.8	82	5	146
NUMAC ENERGY	97.3%	489.1	44	44.7	17	60,346.4	12	19,790.1	23	82	328
GREY WOLF EXPL	75.7%	456.9	45	-	93	541.7	128	1,884.1	60	10	3,478
TRIUMPH ENGY	3.0%	435.3	46	0.2	45	463.2	136	449.0	94	2	969
PETROMAN OIL	45.1%	424.8	47	-	134	962.8	110	774.3	78	1	804
NORTHSTAR ENGY	20.5%	381.7	48	56.2	12	1,307.8	98	550.9	88	6	421
DANOIL ENGY	93.2%	378.1	49	49.5	14	5,448.1	51	6,326.0	45	11	1,161
PIONEER NATURA	0.0%	371.6	50	-	136	1,931.7	84	371.6	96	7	192
PANCAN RESOURC	94.5%	330.0	51	63.9	10	24,783.4	27	7,145.1	39	18	288
PURSUIT RES	0.0%	318.5	52	-	143	1,021.0	109	318.5	104	3	312
LARIO OIL & GA	85.3%	314.3	53	-	108	2,996.2	63	2,134.4	58	2	712
SKYLIGHT ENGY	87.7%	313.8	54	-	155	2,401.2	77	2,554.2	55	12	1,064
PARAMOUNT RES	0.0%	306.9	55	-	127	435.5	138	306.9	105	1	705
CHEVRON CANADA	100.0%	283.9	56	-	73	370,205.0	2	592,457.0	1	42	1,600
GENESIS EXPL	0.0%	279.8	57	-	91	831.6	115	279.8	107	1	337
SEPT. RESOURCE	0.0%	276.3	58	-	151	85.2	167	276.3	108	1	3,243
97837 RES	41.5%	270.3	59	-	176	1,554.1	94	462.3	93	2	298
BARNWELL CAN	0.0%	264.8	60	-	57	1,636.6	91	264.8	109	2	162
RICHLAND PETRO	0.0%	251.0	61	-	147	894.2	112	251.0	110	1	281
OWL RIVER RESO	0.0%	249.3	62	-	124	576.7	125	249.3	111	1	432
PETROMET RES	0.0%	246.2	63	-	135	166.8	157	246.2	112	2	1,476
TETHYS ENERGY	98.4%	231.6	64	-	164	4,935.9	52	14,099.6	27	12	2,857
CANYON CREEK	42.7%	228.6	65	-	68	645.9	120	399.1	95	3	618
NU-SKY ENERGY	0.0%	228.0	66	-	119	3,767.5	59	228.0	116	10	61
ADANAC O&G LTD	97.0%	227.1	67	-	48	3,374.4	61	7,449.4	38	9	2,208
PETENCO RES	38.8%	225.4	68	-	131	1,301.5	99	368.4	97	7	283
RAMIER RES	10.4%	206.7	69	-	144	1,204.5	104	230.7	115	4	192
ELK POINT RES	99.7%	181.5	70	-	84	27,463.9	24	54,856.8	11	11	1,997
DOMCAN BOUNDAR	94.7%	159.9	71	-	82	2,883.1	65	3,031.0	53	4	1,051
ACANTHUS RESOU	0.0%	157.2	72	-	47	1,837.8	85	157.2	122	1	86
ANDERSON	97.8%	155.1	73	-	52	27,727.3	23	6,894.7	40	8	249
RESPONSE ENGY	86.1%	144.3	74	-	146	11,789.6	42	1,041.4	74	54	88

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR DRAYTON VALLEY
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
HORNET ENERGY	32.0%	138.2	75	0.3	44	73.6	170	203.7	119	1	2,768
TUNDRA OIL AND	0.0%	135.6	76	-	168	403.5	141	135.6	127	1	336
ANDERSON O & G	99.1%	117.9	77	-	53	57,003.3	14	12,539.9	28	30	220
SIGNALTA RES	98.3%	112.4	78	-	154	9,734.9	44	6,716.2	41	17	690
ONWARD ENGY	0.0%	112.3	79	-	123	228.7	151	112.3	130	1	491
BELFAST PETROL	98.5%	111.4	80	6.2	35	2,834.2	67	7,867.6	34	6	2,776
CHADAMATT RESO	55.9%	103.1	81	-	72	1,544.2	95	233.7	114	8	151
CANGILD RES	31.0%	102.5	82	-	66	921.1	111	148.6	126	3	161
CDN NAT RES	34.0%	98.8	83	-	71	2,147.9	81	149.6	125	4	70
KAISER ENERGY	0.0%	98.8	84	-	104	815.6	116	98.8	132	1	121
BONTERRA ENERG	95.5%	98.7	85	413.9	3	48,883.6	16	11,317.5	30	136	232
IONIC ENERGY I	96.1%	98.3	86	-	100	1,257.7	101	2,506.0	56	12	1,993
COLBY, C	71.4%	94.3	87	-	75	2,781.0	69	329.3	102	15	118
PENG CONS LTD	37.4%	83.2	88	122.1	7	1,264.4	100	328.0	103	3	259
PETROBANK ENGY	97.3%	79.0	89	-	133	1,453.9	96	2,963.8	54	2	2,039
RENAISSANCE	86.1%	76.7	90	-	145	1,244.1	103	552.0	87	3	444
GRACE RESOURCE	0.0%	75.8	91	-	92	304.0	148	75.8	134	2	249
PENGROWTH CORP	68.1%	72.3	92	-	130	228.1	152	227.0	117	3	995
MAXWELL OIL	0.7%	68.8	93	-	111	567.7	127	69.3	137	1	122
COMPTON OIL &	0.0%	66.7	94	-	77	473.9	134	66.7	139	1	141
BACKER PETRO	26.9%	59.1	95	113.9	8	1,641.2	90	236.7	113	2	144
SIGA RESOURCES	32.8%	58.5	96	-	153	567.8	126	87.0	133	1	153
ONLY GAS & OIL	84.6%	55.5	97	-	122	370.7	144	361.1	100	1	974
MAXX PETROLEUM	92.4%	54.3	98	-	112	4,008.5	57	712.9	80	19	178
SHININGBANK	0.0%	54.3	99	-	152	198.9	154	54.3	141	2	273
BELAIR ENERGY	0.0%	54.1	100	-	59	594.1	124	54.1	142	1	91
MURPHY OIL COM	0.0%	47.9	101	-	115	369.7	145	47.9	143	1	130
TRI LINK RESOU	69.9%	47.0	102	-	167	1,788.2	87	156.4	123	2	88
ARCHEAN ENERGY	0.0%	46.6	103	-	56	83.3	168	46.6	145	2	559
PROBE EXPLORAT	0.0%	37.2	104	-	139	232.8	150	37.2	147	3	160
CDN FOREST OIL	99.8%	34.3	105	-	70	35,713.2	19	14,901.7	26	134	417
APF ENERGY INC	98.1%	28.2	106	-	54	14,095.1	38	1,481.2	65	20	105
VIKING ENERGY	99.6%	27.3	107	-	172	14,343.6	37	6,212.8	46	46	433
CANADIAN FORES	99.8%	27.0	108	-	65	25,460.8	26	12,027.0	29	127	472
POST ENGY	97.7%	25.1	109	4.4	36	6,192.8	49	1,257.7	69	12	203
FAIR MOST RESO	96.1%	23.3	110	-	89	2,649.2	73	594.6	83	1	224
OAKTREE RESOUR	0.0%	23.0	111	-	120	75.8	169	23.0	149	-	303

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR DRAYTON VALLEY

RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
SUNOMA ENERGY	0.0%	22.6	112	-	161	875.0	114	22.6	150	2	26
ADDISON ENERGY	99.8%	17.5	113	-	49	1,361.1	97	7,614.5	36	9	5,594
CRAZY HILL	0.0%	17.2	114	2.0	38	1,691.0	88	19.2	152	4	11
UNION PACIFIC	99.7%	16.8	115	-	170	30,093.8	21	4,867.8	48	16	162
TETRA PETROLEU	97.3%	15.0	116	-	165	2,819.5	68	547.8	89	26	194
TREND RES	0.0%	14.6	117	-	166	73.0	172	14.6	153	1	200
RIDER RES	99.8%	13.4	118	-	148	2,834.8	66	6,393.6	43	6	2,255
FLUVIAL RESOUR	38.2%	12.3	119	33.4	22	697.5	119	74.0	135	3	106
SUBSURFACE	0.0%	10.4	120	-	160	7.0	175	10.4	155	1	1,486
BLACK TUSK ENE	99.9%	8.0	121	-	60	2,687.2	72	6,361.7	44	3	2,367
QUINTANA MINER	0.0%	6.5	122	0.6	43	527.8	130	6.4	157	2	12
BUMPER DEV	99.9%	6.5	123	-	62	1,951.6	83	7,556.7	37	15	3,872
NEWCAL ENERGY	3.3%	5.9	124	-	117	182.9	156	6.1	158	2	33
ULSTER PETROLE	0.0%	5.0	125	-	169	706.0	118	5.0	160	3	7
JET ENGY	0.0%	4.2	126	-	103	505.4	133	4.2	161	2	8
CARNICO O&G	99.7%	4.0	127	-	69	5,746.3	50	1,524.8	63	33	265
DUE WEST RESOU	96.2%	3.8	128	14.7	29	4,124.7	56	489.1	92	17	119
EQUATORIAL ENE	95.9%	3.2	129	26.0	24	887.4	113	709.6	81	5	800
LEDDY EXPLOR	99.2%	2.8	130	-	109	6,353.8	48	366.1	99	9	58
KENSINGTON ENE	0.0%	1.8	131	-	105	116.4	163	1.8	164	1	16
PURE OIL & GAS	100.0%	0.7	132	-	142	518.4	132	1,422.5	66	10	2,744
ICON ENERGY LI	0.0%	0.1	133	0.6	42	2,382.5	78	0.7	166	1	0
TOUCHWOOD PETR	0.0%	-	134	153.5	5	2,941.8	64	153.5	124	7	52
SAFFRON ENERGY	0.0%	-	135	67.3	9	597.9	123	67.3	138	1	113
QB ENERGY CORP	0.0%	-	136	56.3	11	539.6	129	56.3	140	4	104
WILLIAMS ENERG	0.0%	-	137	46.8	15	2,404.4	76	46.8	144	5	20
W ROCK ENGY	99.1%	-	138	37.5	20	16,881.6	34	4,056.8	50	26	240
CHARPET RESOUR	76.1%	-	139	24.5	26	450.7	137	102.5	131	3	227
DANTEL RES	0.0%	-	140	11.2	30	108.2	164	11.2	154	2	104
TRENTON ENERGY	97.3%	-	141	9.9	32	1,986.6	82	367.3	98	6	185
WEST ALTA RES	98.7%	-	142	7.2	34	2,450.8	75	533.9	90	8	218
AMOIL RESOURCE	0.0%	-	143	2.4	37	73.4	171	2.4	163	1	33
HORNBECK RES	0.0%	-	144	0.9	40	390.0	143	0.9	165	1	2
TOUCHSTONE PET	96.4%	-	145	0.1	46	143.7	161	2.8	162	4	20
AEC WEST LTD.	100.0%	-	146	-	50	1,089.4	106	163.9	121	1	150
AMBER ENGY	100.0%	-	147	-	51	3,939.4	58	744.5	79	1	189
CANOIL ENERGY	0.0%	-	148	-	67	417.2	139	-	169	3	-

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR DRAYTON VALLEY
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
CNPC CANADA	100.0%	-	149	-	74	1,590.1	93	116.9	129	11	74
CONDOR RESOURC	100.0%	-	150	-	78	28.1	174	0.4	168	5	14
COURAGE ENERGY	100.0%	-	151	-	80	323.5	147	73.8	136	1	228
CRESWICK PETRO	100.0%	-	152	-	81	1,037.3	108	128.4	128	7	124
ECLIPSE RESOUR	100.0%	-	153	-	83	2,381.9	79	803.6	77	17	337
ENERGY SPECTRU	100.0%	-	154	-	86	9,808.2	43	28,956.9	21	2	2,952
ENERPLUS RES	100.0%	-	155	-	88	1,662.9	89	182.2	120	4	110
FREEHOLD RESOU	0.0%	-	156	-	90	5.2	176	-	170	-	-
GRIZZLY HLDS	100.0%	-	157	-	94	3,264.3	62	283.1	106	9	87
HERC OIL CORP.	100.0%	-	158	-	95	463.7	135	7.9	156	-	17
HOPEFORD RES	100.0%	-	159	-	96	163.5	158	28.0	148	2	171
HUEGLER HLDGS	0.0%	-	160	-	97	2,303.6	80	-	171	11	-
HUSKY OIL OPER	100.0%	-	161	-	99	15,095.5	36	1,411.0	67	16	94
JEFFCO HLDG	100.0%	-	162	-	102	2,487.6	74	225.5	118	13	91
LAND PETROLEUM	100.0%	-	163	-	107	151.2	160	0.7	167	1	5
MURELLE ENTERP	100.0%	-	164	-	114	219.0	153	1,061.0	73	1	4,845
NEUTRINO RES	0.0%	-	165	-	116	86.9	166	-	172	1	-
PARA-TECH ENER	100.0%	-	166	-	125	393.4	142	6.1	159	5	16
PEARSON RES	100.0%	-	167	-	129	2,740.8	70	101,869.0	8	17	37,168
POWERMAX ENERG	0.0%	-	168	-	138	93.6	165	-	173	1	-
PROMPT PETROLE	0.0%	-	169	-	140	153.7	159	-	174	3	-
PROVOST PETRO	0.0%	-	170	-	141	184.5	155	-	175	1	-
RIO ALTO EXPLO	100.0%	-	171	-	149	1,078.4	107	5,330.6	47	2	4,943
SAMSON CANADA,	100.0%	-	172	-	150	622.8	122	583.0	86	1	936
SLADE ENERGY I	0.0%	-	173	-	156	33.9	173	-	176	1	-
SUNTEX ENERGY	100.0%	-	174	-	162	404.7	140	45.7	146	2	113
T.T.P. OIL	100.0%	-	175	-	163	359.1	146	346.6	101	13	965
385417 ALTA	100.0%	-	176	-	175	1,803.2	86	20.1	151	6	11
TOTALS FOR DRAYTON VALLEY	**97.2%**	**82,824.0**		**3,285.6**		**3,956,262.4**		**3,068,106.7**		**6,328**	**776**

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR EDMONTON
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WEI '.S	GOR (M³/M³)
HUSKY OIL OPER	99.0%	19,028.7	1	-	118	1,449,868.1	1	1,965,082.2	1	407	1,355
GULF CAN LTD	98.2%	15,072.4	2	1,591.1	1	924,036.0	4	939,283.9	3	395	1,017
PHILLIPS PETRO	96.0%	12,661.6	3	49.6	21	367,110.2	9	321,667.9	8	401	876
AMBER ENGY	13.0%	9,459.0	4	-	51	206,899.7	16	10,876.8	37	46	53
UNION PACIFIC	50.0%	8,355.7	5	1,350.5	3	249,773.1	13	19,411.6	26	143	78
ENERMARK INC.	89.4%	7,777.8	6	158.4	11	194,224.1	18	74,930.4	13	91	386
MOBIL	99.0%	7,022.3	7	-	140	446,778.0	8	719,545.5	4	176	1,611
NUMAC ENERGY	22.3%	6,662.0	8	-	146	157,931.5	23	8,571.4	46	153	54
WISER OIL CO	22.8%	6,418.7	9	-	210	116,806.3	27	8,310.7	47	14	71
INTERNATIONAL	78.6%	6,126.2	10	890.7	5	303,408.0	11	32,756.9	21	244	108
STAR OIL & GAS	36.6%	5,715.8	11	28.1	26	170,235.3	22	9,054.5	45	123	53
DEVON ENERGY	0.0%	5,620.1	12	-	98	197,468.7	17	5,620.1	53	85	29
RENAISSANCE	61.6%	5,600.9	13	123.9	14	174,495.6	21	14,891.6	32	190	85
SAMSON CANADA,	78.3%	5,474.0	14	1,229.9	4	92,229.4	31	30,921.1	23	48	335
BAYTEX ENERGY	87.4%	4,368.1	15	-	68	212,311.4	15	34,538.7	20	186	163
IMP OIL RES LT	99.8%	4,181.7	16	-	119	783,150.0	5	1,768,889.7	2	772	2,259
BURLINGTON RES	92.3%	4,092.4	17	-	80	56,677.3	37	52,822.5	15	5	932
ANDERSON	99.0%	3,899.3	18	-	54	1,005,874.9	2	403,769.9	6	286	401
VENTUS ENERGY	32.6%	3,609.8	19	-	207	121,644.7	26	5,354.3	56	55	44
TUSK ENERGY	87.9%	3,267.0	20	-	204	149,225.6	24	26,900.2	24	33	180
EDGE ENERGY IN	91.8%	3,167.6	21	56.7	19	27,028.5	51	39,510.5	19	26	1,462
CRESTAR ENERGY	85.6%	3,003.4	22	14.0	30	80,493.1	32	20,944.9	25	26	260
ALTA ENERGY	57.8%	2,930.4	23	-	50	111,872.3	28	6,938.1	51	47	62
CDN NAT RES	93.8%	2,847.6	24	800.0	7	186,797.2	19	58,529.6	14	391	313
CHEVRON CANADA	99.4%	2,653.8	25	-	90	970,009.6	3	438,023.7	5	475	452
BLUE PARROT RE	6.4%	2,585.0	26	-	74	10,944.6	80	2,761.6	72	12	252
SAWTOOTH INTER	7.7%	2,532.0	27	-	179	5,499.0	100	2,744.1	74	9	499
MARATHON CANAD	68.5%	2,296.8	28	885.5	6	284,819.1	12	10,104.2	40	167	36
SHELL CANADA	99.0%	2,179.2	29	-	182	644,642.2	6	215,053.4	10	355	334
NCE RES GP	7.4%	2,130.9	30	184.1	10	32,675.4	48	2,500.3	75	69	77
TIER ONE ENERG	34.1%	2,066.4	31	-	196	41,767.3	41	3,136.4	69	6	75
HUNT OIL	0.0%	1,849.8	32	-	117	3,287.3	115	1,849.8	80	1	563
TALISMAN ENERG	87.0%	1,775.2	33	9.5	33	76,694.9	33	13,779.1	34	58	180
FORTUNE ENGY	39.3%	1,749.3	34	-	108	39,637.2	42	2,881.4	71	11	73
AEC WEST LTD.	2.7%	1,724.0	35	-	48	12,420.4	73	1,772.1	82	9	143
SHININGBANK	20.0%	1,713.9	36	-	183	11,529.9	78	2,141.1	76	11	186
PRIMEWEST ENER	95.9%	1,633.5	37	-	160	185,779.6	20	39,988.8	18	84	215

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR EDMONTON
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
NEUTRINO RES	22.8%	1,557.7	38	-	142	33,095.0	47	2,017.9	77	81	61
BREDAL ENGY	70.4%	1,545.7	39	-	79	17,800.8	58	5,224.1	60	20	294
PROGRESS ENERG	1.0%	1,537.7	40	-	162	14,169.2	66	1,553.3	85	12	110
MURPHY OIL COM	17.1%	1,492.9	41	-	141	57,997.2	36	1,800.7	81	22	31
POST ENGY	98.9%	1,471.8	42	6.0	36	33,185.5	46	131,944.1	11	80	3,976
MAMA SANTOS	0.0%	1,452.9	43	-	133	4,130.1	111	1,452.9	88	16	352
KB RESOURCES	0.0%	1,389.8	44	-	127	11,570.4	77	1,389.8	89	10	120
RESPONSE ENGY	69.3%	1,372.5	45	233.6	9	37,949.9	44	5,224.0	61	43	138
OLYMPIA ENGY	0.0%	1,342.0	46	-	148	11,854.6	75	1,342.0	92	2	113
2969980 CANADA	73.6%	1,322.7	47	-	212	23,610.0	54	5,014.5	63	8	212
BOUNTY DEV	17.2%	1,297.2	48	-	77	29,932.3	49	1,567.2	84	4	52
ONWARD ENGY	1.4%	1,260.2	49	67.9	16	2,907.5	120	1,346.3	91	3	463
COASTAL RES	2.1%	1,193.1	50	30.6	24	20,216.6	56	1,249.8	95	26	62
PANCAN RESOURC	6.9%	1,177.7	51	1,554.4	2	17,355.9	61	2,935.4	70	6	169
VERMILION RES	91.6%	1,135.0	52	52.4	20	221,179.4	14	14,117.7	33	138	64
SADDLE RESOURC	4.4%	1,131.5	53	-	178	11,646.2	76	1,183.5	96	15	102
JET ENGY	0.0%	1,085.8	54	-	124	4,231.7	110	1,085.8	99	7	257
DELTA RES	0.0%	1,071.7	55	-	97	2,625.1	124	1,071.7	100	7	408
VELVET EXPLORA	97.8%	1,034.3	56	-	206	33,735.7	45	46,564.8	17	26	1,380
RICHLAND PETRO	5.6%	1,029.4	57	-	171	1,375.7	148	1,090.9	98	1	793
BLUE RANGE COR	93.6%	1,009.6	58	-	75	7,494.3	92	15,820.9	29	7	2,111
NORTHROCK RES	87.3%	1,004.1	59	-	144	7,835.9	89	7,880.3	48	12	1,006
MAGIN ENERGY I	0.0%	993.4	60	-	132	1,468.2	145	993.4	101	3	677
CABRE EXPLOR	99.0%	908.5	61	-	82	135,004.9	25	86,536.0	12	131	641
STORM ENERGY I	80.7%	905.3	62	-	187	104,495.4	29	4,684.8	66	39	45
NORTHSTAR ENGY	87.4%	901.9	63	-	145	14,977.1	65	7,182.8	50	9	480
BERKLEY PETRO	16.8%	811.5	64	-	73	17,517.1	60	975.9	102	29	56
PETROMET RES	1.9%	809.4	65	-	156	3,254.0	117	825.4	106	3	254
HIGHLAND ENERG	93.6%	739.1	66	20.7	28	25,575.8	52	11,839.6	35	18	463
FORT SMITH	0.0%	706.1	67	5.3	37	13,537.1	67	711.4	107	7	53
THUNDER ENERGY	96.3%	683.6	68	-	194	72,482.6	34	18,370.4	27	48	253
IONIC ENERGY I	0.0%	676.4	69	-	122	23.4	209	676.4	108	1	28,906
MAXWELL OIL	0.0%	636.6	70	-	136	11,062.1	79	636.6	110	8	58
CANOR ENERGY	77.0%	631.9	71	-	89	22,961.0	55	2,748.6	73	15	120
CYPRESS ENERGY	86.2%	599.3	72	57.3	18	38,262.5	43	4,758.2	65	27	124
PENN WEST PETR	89.7%	597.1	73	1.6	42	62,683.5	35	5,809.8	52	135	93
ASCOT ENERGY R	94.4%	529.2	74	4.2	39	12,281.1	74	9,505.3	44	12	774

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR EDMONTON
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
ULSTER PETROLE	95.1%	490.3	75	-	205	7,844.1	88	10,000.4	41	11	1,275
TRI LINK RESOU	0.0%	479.7	76	-	200	5,100.9	102	223.5	137	7	44
BEARSPAW PETRO	12.6%	473.6	77	-	69	13,260.0	68	542.0	114	4	41
LOMALTA PETRO	26.6%	454.1	78	-	130	12,481.4	72	618.9	111	7	50
ZARGON OIL & G	96.9%	447.5	79	21.2	27	16,200.9	63	15,314.3	31	9	945
FLETCHER CHALL	91.5%	433.4	80	-	107	55,034.7	39	5,082.6	62	28	92
INDRA O & G	0.0%	431.0	81	-	120	1,958.6	135	431.0	120	3	220
RIO ALTO EXPLO	91.9%	427.5	82	-	173	1,685.0	141	5,297.4	58	7	3,144
AVALANCHE ENER	0.0%	416.2	83	-	63	8,669.8	84	416.2	122	33	48
ANDERSON O & G	0.0%	385.1	84	-	55	938.6	164	385.1	123	3	410
GASCAN RES	0.0%	384.4	85	-	109	7,361.4	93	384.4	124	5	52
TUNDRA OIL AND	13.8%	374.6	86	-	202	2,684.5	123	434.6	119	-	162
REGCO PETRO	74.8%	367.5	87	-	169	8,677.7	83	1,456.8	87	12	168
TURF PETROLEUM	0.0%	349.3	88	-	203	4,939.9	103	349.3	127	4	71
SYMMETRY RESOU	96.5%	341.9	89	-	192	25,314.5	53	9,662.9	43	36	382
ROYAL QUEST RE	0.0%	335.6	90	-	175	237.6	192	335.6	128	1	1,413
ENERPLUS RES	60.0%	315.9	91	59.1	17	7,336.6	94	938.4	103	14	128
PLACE RES	0.0%	312.3	92	-	158	1,335.6	150	312.3	129	-	234
AMOCO CANADA P	99.4%	298.0	93	-	53	309,520.0	10	50,926.3	16	269	165
SEARCH ENGY	0.0%	293.0	94	-	180	5,740.9	98	293.0	130	20	51
SUNOMA ENERGY	0.0%	292.9	95	-	190	4,609.2	108	292.9	131	6	64
BONAVISTA PETR	96.3%	289.4	96	-	76	13,058.6	69	7,737.0	49	33	593
PROBE EXPLORAT	99.9%	278.9	97	89.0	15	98,326.7	30	263,789.1	9	316	2,683
AMERICAN LEDUC	0.0%	277.8	98	-	52	4,802.5	104	277.8	132	4	58
COURAGE ENERGY	0.0%	275.4	99	-	93	798.4	171	275.4	133	1	345
CANADIAN JOREX	97.7%	274.6	100	0.3	46	9,874.4	82	11,785.5	36	11	1,194
RIFE RES	79.5%	262.9	101	-	172	3,324.8	114	1,284.8	94	1	386
CANOIL ENERGY	0.0%	252.1	102	-	88	1,231.4	153	252.1	134	5	205
AVID OIL & GAS	0.0%	248.0	103	-	64	1,901.3	136	248.0	135	15	130
ARCHEAN ENERGY	0.0%	247.6	104	-	59	4,716.4	105	247.6	136	9	53
LEDDY EXPLOR	93.0%	237.7	105	6.3	35	9,895.5	81	3,487.0	68	19	352
ALPETRO RESOUR	0.0%	220.5	106	-	49	2,263.9	128	220.5	139	1	97
PARAMOUNT RES	96.0%	215.2	107	-	151	17,213.2	62	5,385.7	55	12	313
TORRINGTON RES	0.0%	210.0	108	-	197	699.3	172	210.0	140	2	300
ROCKY MOUNTAIN	0.0%	207.7	109	-	174	3,598.0	113	207.7	141	11	58
CNPC CANADA	89.7%	204.5	110	-	91	5,632.7	99	1,993.1	78	14	354
WESTHILL RES	98.2%	191.7	111	-	209	6,134.3	96	10,546.4	38	5	1,719

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR EDMONTON
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
LEXOIL INC.	15.3%	188.0	112	125.2	13	2,242.2	129	369.7	125	2	165
APACHE CANADA	98.9%	175.8	113	-	56	55,060.9	38	15,739.1	30	354	286
GOLDEN TREND	0.0%	149.6	114	-	116	2,414.9	126	149.6	146	4	62
BENSON PETRO	99.2%	147.6	115	-	72	1,148.8	156	17,555.4	28	11	15,282
K2 ENERGY CORP	1.3%	143.2	116	-	128	1,599.6	142	145.1	147	11	91
GLN ISLE EXPLR	0.0%	142.0	117	-	115	946.6	163	142.0	148	1	150
SURAT ENERGY	69.9%	141.1	118	-	191	5,850.7	97	468.5	116	11	80
439 O&G	0.0%	138.9	119	-	214	1,889.9	137	138.9	150	16	74
BARNWELL CAN	33.8%	128.5	120	-	66	5,334.0	101	194.0	142	9	36
PANCANADIAN	0.0%	111.4	121	-	149	1,355.1	149	111.4	154	5	82
PENGROWTH CORP	100.0%	107.2	122	-	152	608,443.0	7	377,151.5	7	195	620
PETRO-CANADA	98.0%	107.2	123	-	154	7,507.9	91	5,339.9	57	9	711
CANNON OIL & G	0.0%	106.3	124	-	86	559.7	181	106.3	156	1	190
PURE OIL & GAS	41.1%	103.8	125	-	165	1,136.7	157	176.3	143	3	155
MANHATTAN RESO	0.0%	103.7	126	-	134	4,660.2	106	103.7	157	4	22
INTER SOVEREIG	12.8%	103.6	127	-	121	823.5	168	118.8	153	1	144
ARC RESOURCES	0.0%	91.9	128	-	58	865.7	166	91.9	160	1	106
GLENCOE RES	21.1%	86.2	129	-	114	313.3	187	109.2	155	2	349
GIBSON PETROLE	84.0%	82.7	130	-	113	7,970.0	87	516.7	115	3	65
BXL ENERGY LTD	0.0%	79.0	131	-	81	815.4	169	79.0	162	-	97
CALCRUDE OILS	98.5%	77.1	132	-	84	41,848.0	40	5,232.2	59	35	125
STARTECH ENERG	23.8%	76.3	133	-	186	2,771.3	122	100.1	158	1	36
ENCAL ENGY	0.0%	71.6	134	-	104	198.4	196	71.6	163	2	361
GEOCAN ENERGY	0.0%	71.4	135	-	111	1,407.6	147	71.4	164	1	51
KAM'S SAND COA	22.2%	70.9	136	-	126	961.7	161	91.1	161	1	95
POGO CANADA LT	0.0%	68.5	137	-	159	3,233.8	118	68.5	165	1	21
LEGAL O&G	95.1%	67.8	138	-	129	2,090.3	131	1,386.1	90	6	663
RANGER OIL LIM	0.0%	67.7	139	-	166	1,825.8	138	67.7	166	2	37
JACO ENERGY	96.1%	66.2	140	-	123	4,644.7	107	1,694.2	83	12	365
JORDAN PTR	0.3%	61.6	141	-	125	232.4	193	61.8	167	3	266
CELSIUS ENERGY	86.2%	60.2	142	2.9	40	8,515.1	85	457.5	117	12	54
RUSTUM PETRO	0.0%	60.2	143	-	176	2,862.8	121	60.2	168	1	21
TRARION RES	65.2%	59.7	144	-	199	88.3	203	171.4	144	2	1,941
REAL RESOURCES	0.0%	59.3	145	-	168	2,004.5	133	59.3	169	-	30
MAG TEC IND	67.1%	55.7	146	-	131	220.5	194	169.1	145	1	767
MERA PETRO	80.0%	44.5	147	-	138	899.2	165	222.6	138	3	248
CRISPIN RESOUR	0.0%	43.3	148	-	94	1,155.7	155	43.3	171	4	38

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR EDMONTON
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
GENESIS EXPL	99.9%	39.4	149	-	110	27,438.7	50	30,943.6	22	8	1,128
NEW NORTH	0.0%	34.4	150	-	143	1,109.5	159	34.4	174	1	31
BARRINGTON PET	99.7%	28.7	151	-	67	12,888.7	70	9,761.8	42	5	757
DUE WEST RESOU	92.4%	27.7	152	-	102	2,576.8	125	362.6	126	9	141
CALAHOO PETRO	0.0%	25.8	153	-	83	1,250.4	152	25.8	177	1	21
SUNCOR ENERGY	96.2%	25.0	154	-	189	4,599.5	109	665.0	109	9	145
BALLATER RES	0.0%	23.9	155	-	65	2,357.5	127	23.9	178	7	10
CANOGA RES MGT	0.0%	22.3	156	-	87	148.4	199	22.3	179	2	150
352119 ALTA	0.0%	20.0	157	-	213	601.7	177	20.0	180	1	33
PETROBANK ENGY	0.0%	19.5	158	-	155	266.8	189	19.5	181	1	73
COMETRA ENERGY	98.9%	14.2	159	-	92	8,212.8	86	1,297.3	93	7	158
EUROGAS CORPOR	0.0%	13.0	160	-	106	409.8	184	13.0	182	1	32
PETAL RES	89.6%	12.6	161	-	153	2,023.0	132	120.6	152	1	60
SUMMIT RES	99.8%	12.6	162	-	188	3,164.6	119	5,576.7	54	12	1,762
RANGEX RES LTD	77.8%	11.2	163	10.2	31	1,968.2	134	96.2	159	4	49
OILTEC RES	0.0%	10.9	164	-	147	624.0	175	10.9	183	1	18
PIONEER NATURA	99.9%	10.6	165	-	157	6,840.8	95	10,266.7	39	29	1,501
BRANDON ENERGY	0.0%	8.3	166	-	78	22.4	210	8.3	186	1	371
DGS OIL & GAS	0.0%	7.9	167	-	99	600.7	179	7.9	187	2	13
SIGNALTA RES	0.0%	7.3	168	-	184	603.3	176	7.3	188	2	12
TRANS WORLD OI	0.0%	6.0	169	-	198	203.7	195	6.0	190	1	30
DOMCAN EAST AL	0.0%	3.6	170	-	100	176.1	197	3.6	192	1	20
QUINTANA MINER	93.7%	2.1	171	35.3	22	7,511.7	90	598.1	113	4	80
TERRA RICA RES	47.5%	1.0	172	28.6	25	1,229.1	154	56.4	170	1	46
MAXX PETROLEUM	0.0%	0.4	173	-	137	17.6	212	0.2	196	2	11
VAL VISTA ENER	0.0%	-	174	425.8	8	1,432.2	146	425.8	121	1	297
SLAVE RIVER EX	0.0%	-	175	138.5	12	15,803.3	64	138.5	151	2	9
COMSTATE RES	97.8%	-	176	32.6	23	3,278.0	116	1,469.9	86	10	448
ALKA RESOURCES	49.4%	-	177	16.2	29	335.7	186	32.0	175	1	95
SPHERE ENERGY	0.0%	-	178	9.9	32	129.6	201	9.9	185	1	76
HILLSDALE DRLG	0.0%	-	179	6.5	34	971.5	160	6.5	189	6	7
EASTNELL RES	0.0%	-	180	4.7	38	101.2	202	4.7	191	1	46
PETROVERA RESO	0.0%	-	181	2.0	41	129.6	200	2.0	193	1	15
PURSUIT RES	99.7%	-	182	1.4	43	1,252.9	151	449.1	118	16	358
EOG RESOURCES	0.0%	-	183	0.5	44	45.8	206	0.5	194	1	11
291574 ALTA	0.0%	-	184	0.5	45	172.2	198	0.5	195	1	3
ADDISON ENERGY	0.0%	-	185	-	47	1,547.5	143	-	197	3	-

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR EDMONTON
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
APF ENERGY INC	100.0%	-	186	-	57	44.8	207	1,974.6	79	2	44,076
AREA I RECL	100.0%	-	187	-	60	600.7	178	41.6	172	3	69
ARRIVAL ENERGY	0.0%	-	188	-	61	17,535.1	59	-	198	-	-
ATCO MIDSTREAM	100.0%	-	189	-	62	659.7	174	870.4	105	2	1,319
BEAVER LAKE	100.0%	-	190	-	70	694.3	173	36.6	173	6	53
BELAIR ENERGY	0.0%	-	191	-	71	2,102.2	130	-	199	3	-
CANADIAN COAST	0.0%	-	192	-	85	19.7	211	-	200	1	-
DANOIL ENGY	100.0%	-	193	-	95	263.7	190	141.5	149	1	537
DARK ENERGY LT	0.0%	-	194	-	96	949.7	162	-	201	2	-
DRAIG ENERGY	0.0%	-	195	-	101	859.1	167	-	202	2	-
ELK POINT RES	0.0%	-	196	-	103	64.0	205	-	203	1	-
ENTEX PETROLEU	0.0%	-	197	-	105	803.9	170	-	204	2	-
GEODYNE	0.0%	-	198	-	112	449.3	182	-	205	1	-
MARNELL RES	100.0%	-	199	-	135	1,532.0	144	600.8	112	16	392
MISTAHIYA RES	100.0%	-	200	-	139	599.9	180	30.8	176	8	51
PARAGON PETROL	100.0%	-	201	-	150	18,020.9	57	4,873.0	64	18	270
PRINCE RES	0.0%	-	202	-	161	1,118.2	158	-	206	2	-
PROVOST PETRO	0.0%	-	203	-	163	279.7	188	-	207	6	-
PURCELL ENGY	100.0%	-	204	-	164	74.7	204	3,549.7	67	2	47,519
RAPTOR CAPITAL	0.0%	-	205	-	167	1,780.6	140	-	208	3	-
RICHANN CONT	0.0%	-	206	-	170	4,051.2	112	-	209	4	-
RWTR WTR DISP	0.0%	-	207	-	177	12,565.0	71	-	210	1	-
SHAPCO RES	0.0%	-	208	-	181	249.2	191	-	211	1	-
SPIRIT CORPORA	0.0%	-	209	-	185	421.5	183	-	212	1	-
TERRENEX VENT	100.0%	-	210	-	193	-	213	1,115.9	97	-	no oil prod
TIARA MINING	0.0%	-	211	-	195	33.8	208	-	213	1	-
TUDOR CORP LTD	100.0%	-	212	-	201	-	214	895.6	104	1	no oil prod
VIRIDIAN INC.	100.0%	-	213	-	208	1,783.8	139	10.4	184	5	6
155725 CANADA	0.0%	-	214	-	211	368.6	185	-	214	2	-
TOTALS FOR EDMONTON	**97.1%**	**238,202.8**		**10,422.7**		**12,897,802.4**		**8,642,100.3**		**8,563**	**670**

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR GRANDE PRAIRIE
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
HUNT OIL	42.3%	17,030.9	1	-	63	84,500.0	18	29,530.8	26	69	350
TALISMAN ENERG	97.1%	13,261.2	2	641.8	6	376,895.6	3	475,146.2	1	277	1,261
ANDERSON	95.7%	8,613.6	3	133.6	13	131,362.6	14	203,814.7	5	134	1,552
CDN NAT RES	89.3%	8,308.3	4	380.3	9	109,503.0	15	80,919.5	11	128	739
AEC WEST LTD.	96.6%	8,256.8	5	-	26	194,379.8	6	240,652.1	4	133	1,238
ENERMARK INC.	84.2%	8,052.5	6	23.0	18	60,011.1	22	51,140.4	16	47	852
CRESTAR ENERGY	74.9%	6,909.8	7	551.4	7	159,515.1	10	29,711.3	24	116	186
SHELL CANADA	85.8%	6,386.7	8	12.0	21	352,132.8	4	44,928.4	19	132	128
UNION PACIFIC	91.4%	6,057.9	9	2,582.4	1	176,909.3	8	100,550.2	7	163	568
NORTHROCK RES	90.4%	5,102.7	10	1,510.7	2	37,607.8	29	68,852.7	13	68	1,831
NAL RES	88.7%	4,973.1	11	305.3	10	60,501.9	21	46,779.9	18	46	773
PENN WEST PETR	67.4%	3,690.2	12	148.1	12	33,579.8	31	11,756.7	33	47	350
BURLINGTON RES	90.8%	3,631.2	13	934.2	3	205,786.5	5	49,813.9	17	140	242
SUNCOR ENERGY	96.8%	3,462.4	14	13.1	19	160,343.8	9	107,149.0	6	89	668
PIONEER NATURA	87.1%	3,420.1	15	2.0	25	154,661.9	12	26,473.5	27	73	171
SUMMIT RES	95.4%	3,385.7	16	470.5	8	59,497.5	24	83,989.3	10	44	1,412
PETRO-CANADA	94.1%	3,362.6	17	-	86	413,678.5	2	56,814.1	15	293	137
RIFE RES	96.2%	3,338.4	18	12.6	20	23,280.3	34	88,640.9	9	32	3,808
SAMSON CANADA,	11.7%	3,103.2	19	929.8	4	7,774.0	45	4,565.2	45	7	587
MARATHON CANAD	99.4%	2,999.4	20	-	73	88,329.5	17	466,566.2	2	53	5,282
TAURUSEXPCANA	97.0%	2,975.6	21	-	107	95,120.1	16	100,251.5	8	50	1,054
NORTHSTAR ENGY	0.0%	2,948.7	22	-	79	4,605.8	53	2,948.7	49	9	640
TETHYS ENERGY	57.3%	2,725.4	23	-	108	65,730.3	20	6,382.1	40	7	97
LYSE PETROLEUM	0.0%	2,555.8	24	-	71	7,791.7	44	2,555.8	50	8	328
RIO ALTO EXPLO	93.5%	2,443.2	25	-	99	39,999.1	27	37,786.4	22	50	945
STARTECH ENERG	53.4%	2,228.7	26	-	102	3,554.8	59	4,786.4	44	6	1,347
INTACTION RES	78.4%	2,199.1	27	-	66	46,457.9	26	10,176.7	34	33	219
SURAT ENERGY	0.0%	2,035.5	28	-	106	562.4	96	2,035.5	51	1	3,619
CHEVRON CANADA	99.3%	1,750.2	29	-	45	742,409.9	1	254,687.2	3	16	343
VENATOR PETRO	0.0%	1,646.4	30	-	112	3,468.8	60	1,646.4	57	5	475
STELLARTON ENE	78.8%	1,630.9	31	-	103	4,938.9	50	7,685.3	38	10	1,556
PURSUIT RES	0.0%	1,615.8	32	-	92	2,491.6	64	1,615.8	58	4	649
INFINITI RESOU	14.4%	1,572.9	33	-	65	3,997.4	55	1,838.2	55	8	460
NUMAC ENERGY	73.4%	1,489.4	34	-	80	10,058.3	41	5,602.3	43	21	557
SEARCH ENGY	24.7%	1,484.8	35	39.5	16	20,628.4	35	2,023.8	52	9	98
OCELOT ENERGY	92.4%	1,430.8	36	129.7	14	26,168.5	32	20,637.7	30	46	789
ENERPLUS RES	91.0%	1,394.1	37	34.9	17	8,124.2	43	15,966.3	31	20	1,965

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR GRANDE PRAIRIE
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
NEWHOUSE RESOU	0.0%	1,299.9	38	-	76	1,818.9	71	1,299.9	59	3	715
COMPTON OIL &	0.0%	1,278.7	39	-	48	834.0	87	1,278.7	60	2	1,533
RENATA RESOURC	0.0%	1,240.0	40	-	96	3,331.6	61	1,240.0	62	2	372
ALTAGAS SERV	92.2%	1,005.6	41	4.6	23	24,168.3	33	13,027.5	32	17	539
GULF CAN LTD	98.4%	961.8	42	122.8	15	155,839.7	11	67,113.5	14	43	431
ANDERSON O & G	92.9%	906.0	43	684.6	5	140,222.6	13	22,288.0	29	54	159
CABRE EXPLOR	98.9%	875.4	44	-	37	69,046.6	19	78,656.6	12	46	1,139
GENESIS EXPL	97.9%	863.9	45	-	59	187,811.2	7	40,872.5	21	71	218
ULSTER PETROLE	50.5%	854.1	46	-	111	2,377.2	66	1,726.4	56	2	726
PLACE RES	91.3%	823.4	47	-	89	17,909.4	36	9,454.6	36	10	528
CANOIL ENERGY	0.0%	772.6	48	-	39	3,129.0	62	772.6	67	2	247
TUNDRA OIL AND	7.2%	772.1	49	-	110	5,296.7	48	832.1	66	4	157
NCE RES GP	0.0%	738.6	50	-	75	5,259.2	49	738.6	68	6	140
PETROMET RES	15.5%	726.9	51	-	87	11,667.6	39	859.9	65	5	74
GREY WOLF EXPL	33.0%	704.7	52	-	62	6,077.5	47	1,051.2	64	10	173
CANOR ENERGY	0.0%	680.5	53	-	40	3,803.8	56	680.5	69	4	179
SHININGBANK	98.5%	663.8	54	-	100	11,867.8	38	43,043.1	20	15	3,627
DEVON ENERGY	0.0%	616.3	55	-	50	1,066.0	82	616.3	71	2	578
RESPONSE ENGY	0.0%	572.1	56	-	97	1,593.4	73	572.1	72	4	359
BLUE RANGE COR	0.0%	505.8	57	-	35	1,600.8	72	505.8	75	1	316
PHILLIPS PET	0.0%	501.2	58	9.7	22	2,297.9	68	510.9	74	5	222
ANDERSON RESOU	7.2%	470.7	59	151.6	11	1,402.5	74	670.6	70	11	478
NICATA INV	0.0%	429.7	60	-	78	399.3	98	429.7	76	1	1,076
COMPTON ENERGY	0.1%	423.6	61	-	47	1,328.4	76	424.1	77	5	319
EQUATORIAL ENE	93.5%	412.0	62	-	54	4,896.1	51	6,329.5	41	21	1,293
AMOCO CANADA P	70.3%	364.7	63	3.5	24	3,789.3	57	1,239.3	63	5	327
PARADIGM RESOU	36.5%	356.0	64	-	84	3,690.1	58	560.2	73	5	152
PCC ENERGY COR	88.7%	336.3	65	-	85	7,067.9	46	2,975.9	48	7	421
STAR OIL & GAS	84.1%	321.0	66	-	101	8,407.0	42	2,014.6	53	13	240
BIG HORN	0.0%	306.0	67	-	34	325.1	100	306.0	80	-	941
GASCAN RES	0.0%	275.2	68	-	58	689.0	92	275.2	81	1	399
ARRIVAL ENERGY	35.9%	263.7	69	-	28	2,496.0	63	411.4	78	5	165
WESTROCK ENERG	96.9%	251.6	70	-	115	37,465.1	30	8,173.2	37	39	218
CDN HUNTER	8.6%	249.9	71	-	42	2,307.5	67	273.4	82	3	119
WESTHILL RES	10.7%	242.0	72	-	114	1,311.0	77	271.0	83	1	207
PRIMEWEST ENER	0.0%	238.1	73	-	91	1,110.2	81	238.1	85	1	215
SUNOMA ENERGY	0.0%	231.7	74	-	105	1,019.9	85	231.7	86	2	227

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR GRANDE PRAIRIE
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
VENTUS ENERGY	0.0%	214.8	75	-	113	1,047.3	83	214.8	88	3	205
GANNON BROS	16.4%	203.8	76	-	57	729.6	90	243.7	84	2	334
INTERNATIONAL	95.6%	200.4	77	-	67	2,388.3	65	4,506.7	46	23	1,887
RENAISSANCE	0.0%	187.0	78	-	95	1,045.2	84	187.0	90	15	179
JORDAN PTR	97.2%	180.1	79	-	68	12,986.7	37	6,496.7	39	18	500
KB RESOURCES	52.2%	175.7	80	-	70	10,069.5	40	367.4	79	7	37
PANCAN RESOURC	99.5%	153.9	81	-	82	59,483.9	25	31,263.9	23	56	526
ENCAL ENGY	97.5%	146.1	82	-	53	4,816.1	52	5,798.6	42	8	1,204
COMETRA ENERGY	0.0%	138.5	83	-	46	558.1	97	138.5	91	1	248
BELAIR ENERGY	0.4%	115.9	84	-	32	134.3	110	116.4	92	1	867
PANCANADIAN	99.6%	110.7	85	-	83	39,993.9	28	29,608.7	25	56	740
QUINTANA MINER	0.0%	107.3	86	-	93	1,964.2	69	107.3	94	1	55
CRISPIN ENERGY	12.9%	93.0	87	-	49	305.0	102	106.8	95	2	350
MESQUITE ENERG	0.0%	81.9	88	-	74	752.0	88	81.9	96	1	109
GLN ISLE EXPLR	0.0%	76.1	89	-	61	705.3	91	76.1	97	1	108
RIATA RESOURCE	31.8%	75.0	90	-	98	920.8	86	109.9	93	6	119
POGO CANADA LT	0.0%	55.7	91	-	90	231.9	104	55.7	100	1	240
BERKLEY PETRO	0.0%	46.0	92	-	33	751.1	89	46.0	102	2	61
CDN FOREST OIL	97.3%	34.2	93	-	41	1,260.5	79	1,250.4	61	1	992
BEAU CANADA EX	0.0%	16.4	94	-	30	48.7	113	16.4	103	2	337
ANKERTON HOLD	16.0%	13.1	95	-	27	112.4	111	15.6	104	2	139
ZARGON OIL & G	7.9%	11.7	96	-	116	346.7	99	12.7	105	2	37
IMP OIL RES LT	99.9%	7.7	97	-	64	59,715.6	23	10,038.6	35	48	168
DIRHAM CONSTRU	0.0%	6.0	98	-	51	230.8	105	6.0	107	1	26
MAGIN ENERGY I	0.0%	3.1	99	-	72	67.5	112	3.1	108	7	46
REBER EXPLOR	0.0%	2.1	100	-	94	183.1	107	2.1	109	2	12
BAYTEX ENERGY	0.0%	1.5	101	-	29	30.6	114	1.5	110	1	49
CALAHOO PETRO	99.8%	0.4	102	-	38	1,358.9	75	215.9	87	7	159
BEAVER LAKE	0.0%	-	103	-	31	613.8	95	-	111	2	-
BONAVISTA PETR	100.0%	-	104	-	36	4,220.8	54	24,615.1	28	10	5,832
CDN 88 RES	100.0%	-	105	-	43	1,119.0	80	69.1	99	6	62
CENTENIAL PETR	0.0%	-	106	-	44	167.1	108	-	112	1	-
DUKE ENERGY SE	100.0%	-	107	-	52	-	116	1,995.4	54	1	no oil prod
FOOTHILL O&G L	100.0%	-	108	-	55	1,291.2	78	52.1	101	2	40
FORTE ENERGY L	100.0%	-	109	-	56	652.8	94	3,129.8	47	9	4,794
GLENCOE RES	0.0%	-	110	-	60	668.9	93	-	113	1	-
KAISER ENERGY	100.0%	-	111	-	69	202.8	106	208.2	89	3	1,027

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR GRANDE PRAIRIE
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
NIAGA ENERGY C	0.0%	-	112	-	77	158.1	109	-	114	2	-
OLYMPIA ENGY	100.0%	-	113	-	81	321.5	101	9.6	106	1	30
PIVOTAL ENERGY	0.0%	-	114	-	88	303.4	103	-	115	1	-
STREGA ENERGY	0.0%	-	115	-	104	20.5	115	-	116	-	-
TITANIA RESOUR	100.0%	-	116	-	109	1,835.4	70	69.8	98	2	38
TOTALS FOR GRANDE PRAIRIE	**94.0%**	**182,467.7**		**9,831.7**		**4,924,895.8**		**3,179,623.3**		**3,140**	**646**

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR MEDICINE HAT
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
RENAISSANCE	76.1%	31,726.1	1	2,118.0	1	1,608,427.4	1	141,752.9	2	1,904	88
ALTA ENERGY	72.0%	14,402.8	2	48.1	17	813,789.8	3	51,546.2	4	432	63
PRIMEWEST ENER	35.4%	11,366.1	3	923.2	4	250,633.0	6	19,031.9	12	267	76
CRESTAR ENERGY	93.2%	7,178.1	4	1,691.5	2	875,968.8	2	130,982.6	3	541	150
PANCAN RESOURC	95.6%	6,380.5	5	1,062.3	3	679,180.5	4	169,293.4	1	311	249
STARTECH ENERG	35.5%	3,777.3	6	61.1	13	90,119.1	11	5,949.5	26	103	66
UNION PACIFIC	91.6%	3,504.2	7	51.6	16	220,113.3	7	42,582.0	6	115	194
CDN NAT RES	93.2%	3,380.5	8	-	50	294,248.7	5	50,016.6	5	258	170
JORDAN PTR	10.7%	2,551.4	9	-	70	12,593.6	40	2,855.7	37	25	227
PROBE EXPLORAT	87.8%	2,180.9	10	-	91	41,443.2	16	17,872.7	13	19	431
TALISMAN ENERG	31.1%	2,116.4	11	15.3	23	48,250.2	15	3,091.8	35	51	64
ZARGON OIL & G	9.8%	1,303.9	12	-	109	18,201.6	34	1,444.8	44	30	79
REAL RESOURCES	23.3%	1,295.9	13	-	93	12,351.1	42	1,690.6	42	8	137
JARROD OILS	0.0%	1,185.4	14	-	69	9,675.6	46	1,185.4	45	10	123
TRIUMPH ENGY	85.7%	1,185.2	15	315.1	5	120,426.6	9	10,471.6	20	133	87
ENERMARK INC.	95.0%	1,168.8	16	21.8	22	94,028.8	10	23,630.0	10	190	251
HUNT OIL	90.2%	1,112.2	17	47.1	18	12,789.0	39	11,790.0	17	18	922
GULF CAN LTD	93.4%	1,111.5	18	-	66	24,296.3	28	16,792.6	14	36	691
ELK POINT RES	88.5%	1,081.1	19	7.3	25	30,657.0	21	9,497.6	22	25	310
PURSUIT RES	91.3%	1,021.0	20	58.0	14	26,126.9	24	12,439.8	16	39	476
THUNDER ENERGY	96.6%	928.0	21	-	104	9,209.9	47	27,153.5	9	13	2,948
GLENCOE RES	0.1%	831.8	22	-	64	1,555.7	66	832.8	50	3	535
SUNCOR ENERGY	74.1%	725.3	23	-	103	34,199.4	18	2,795.9	38	63	82
CABRE EXPLOR	86.7%	721.6	24	-	48	24,018.4	29	5,428.1	27	19	226
SUMMIT RES	82.7%	696.6	25	83.7	9	25,754.4	26	4,500.5	30	29	175
RENATA RESOURC	86.4%	651.1	26	-	95	49,161.9	14	4,802.9	29	40	98
MAGIN ENERGY I	78.3%	594.5	27	-	74	49,561.3	13	2,740.0	39	46	55
BONAVISTA PETR	78.6%	494.2	28	-	45	4,841.1	53	2,305.4	41	7	476
ACANTHUS RESOU	88.2%	488.9	29	-	31	20,370.5	31	4,144.6	31	52	204
PIONEER NATURA	0.0%	474.3	30	0.9	27	9,785.1	45	475.2	61	15	49
NCE RES GP	94.3%	462.5	31	147.1	7	31,705.5	19	10,610.4	19	50	335
ENCAL ENGY	92.6%	451.1	32	-	58	13,301.0	38	6,072.3	25	15	457
AVALANCHE ENER	91.4%	450.0	33	-	37	3,805.8	54	5,227.3	28	23	1,374
EQUATORIAL ENE	85.5%	424.9	34	64.9	12	29,175.3	22	3,375.1	33	49	116
ALTANA EXPLORA	92.3%	388.3	35	157.9	6	21,452.1	30	7,122.0	23	33	332
RIFE RES	82.1%	384.9	36	75.4	10	39,384.6	17	2,564.8	40	38	65
DOMCAN BOUNDAR	43.3%	382.8	37	-	57	24,852.3	27	675.1	55	19	27

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR MEDICINE HAT
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
SEVENTH ENERGY	94.3%	348.7	38	-	101	18,339.3	33	6,098.9	24	28	333
MAXX PETROLEUM	59.3%	284.7	39	-	78	19,228.7	32	699.2	54	26	36
KEYWEST ENERGY	0.0%	260.9	40	4.2	26	10,573.5	43	265.1	68	24	25
CHEVRON CANADA	99.2%	233.0	41	-	51	214,371.4	8	30,782.5	8	132	144
MARATHON CANAD	58.4%	209.2	42	-	76	2,142.0	59	502.6	60	8	235
PETRO-CANADA	62.5%	199.6	43	-	89	10,568.7	44	532.4	59	17	50
PCC ENERGY COR	0.0%	187.9	44	-	87	2,733.5	57	187.9	70	5	69
ENERGY NORTH	82.0%	177.5	45	-	59	8,104.3	49	985.7	48	6	122
ANDERSON O & G	95.4%	139.2	46	-	35	6,007.0	52	3,058.8	36	24	509
BLUESTONE RESO	43.2%	138.3	47	-	44	162.2	96	243.7	69	1	1,503
BERRY CK RES	12.3%	116.0	48	-	42	378.4	88	132.3	71	3	350
ROZSA PETRO	0.0%	115.7	49	-	96	1,323.6	69	115.7	75	2	87
CIRCUMPACIFIC	64.3%	104.4	50	-	52	7,099.4	50	292.6	67	6	41
PENN WEST PETR	98.8%	98.5	51	75.0	11	30,698.7	20	14,464.1	15	36	471
VENATOR PETRO	0.0%	97.1	52	-	107	1,526.3	67	97.1	76	2	64
INTERNATIONAL	71.3%	87.5	53	26.1	21	8,598.3	48	395.5	64	38	46
ESKER RESOURCE	0.0%	83.8	54	-	60	2,821.3	56	83.8	77	2	30
OPERATIONS MNG	92.3%	79.6	55	-	85	366.2	90	1,032.3	47	1	2,819
TRI LINK RESOU	0.0%	67.2	56	-	106	1,962.2	61	67.2	78	2	34
OUTLOOK ENERGY	0.0%	66.5	57	-	86	881.2	77	66.5	79	1	76
AVID OIL & GAS	0.0%	55.8	58	-	38	366.7	89	55.8	80	1	152
OAKTREE RESOUR	0.0%	51.2	59	-	83	102.0	102	51.2	82	1	502
SADDLE RESOURC	9.0%	48.6	60	-	97	405.7	87	53.4	81	1	132
AMBER ENGY	99.8%	42.7	61	-	34	89,187.1	12	19,220.4	11	112	216
PENGROWTH CORP	68.7%	39.8	62	-	88	575.3	83	127.2	72	2	221
TIKAL RESOURCE	99.9%	34.5	63	-	105	18,159.8	35	37,062.9	7	28	2,041
SAN JUAN RES	97.1%	25.5	64	0.3	30	1,386.2	68	900.0	49	2	649
GOLDEN TREND	0.0%	23.5	65	-	65	1,778.1	62	23.5	84	6	13
INDRA O & G	0.0%	22.2	66	-	68	975.6	76	22.2	85	1	23
LOMALTA PETRO	98.1%	21.1	67	-	73	297.6	92	1,106.8	46	2	3,719
DANOIL ENGY	0.0%	19.6	68	-	56	1,192.6	71	19.6	86	12	16
PLAYER PET	0.0%	16.0	69	-	90	798.8	78	16.0	88	2	20
ARCHEAN ENERGY	0.0%	11.2	70	-	36	76.1	103	11.2	90	1	147
CANOR ENERGY	0.0%	9.9	71	-	49	114.4	101	9.9	91	1	87
FARPOINT ENERG	0.0%	6.7	72	-	61	73.5	104	6.7	93	1	91
COLENCO PETRO	60.2%	6.4	73	0.6	28	135.5	99	17.6	87	2	130
MANHATTAN RESO	97.1%	3.5	74	-	75	2,111.8	60	120.4	74	8	57

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR MEDICINE HAT

RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
NICATA INV	0.0%	0.4	75	-	81	210.3	94	0.4	94	1	2
KINWEST RESOUR	0.0%	0.1	76	-	71	653.6	81	0.1	95	1	0
CARAVAN OIL &	98.9%	-	77	109.8	8	25,756.5	25	10,368.9	21	18	403
BEAU CANADA EX	98.3%	-	78	56.0	15	28,023.2	23	3,285.5	34	24	117
MYRIAD ENERGY	93.6%	-	79	28.7	19	1,135.3	73	450.9	62	3	397
VAL VISTA ENER	0.0%	-	80	28.2	20	1,587.7	65	28.2	83	1	18
RIDAL RESOURCE	0.0%	-	81	8.2	24	427.4	85	8.2	92	2	19
MAXWELL OIL	100.0%	-	82	0.6	29	1,735.4	63	1,562.7	43	3	901
AEC WEST LTD.	0.0%	-	83	-	32	47.6	106	-	96	1	-
ALBERTA PETROL	0.0%	-	84	-	33	1,269.4	70	-	97	4	-
BACKER PETRO	100.0%	-	85	-	39	6,650.2	51	428.6	63	8	64
BEAVER LAKE	100.0%	-	86	-	40	486.0	84	326.8	66	1	672
BELMONT ENERGY	0.0%	-	87	-	41	152.4	98	-	98	2	-
BLACKROCK VENT	0.0%	-	88	-	43	1,733.7	64	-	99	2	-
BOUNDARY CREEK	100.0%	-	89	-	46	2.7	108	710.7	53	2	263,222
BURLINGTON RES	100.0%	-	90	-	47	2,227.9	58	768.0	52	1	345
COASTAL RES	100.0%	-	91	-	53	295.3	93	670.8	56	1	2,272
CRISPIN ENERGY	100.0%	-	92	-	54	12,378.2	41	120.4	73	8	10
CYPRESS ENERGY	0.0%	-	93	-	55	1,121.0	74	-	100	5	-
GANNON BROS	0.0%	-	94	-	62	299.0	91	-	101	1	-
GEODYNE	0.0%	-	95	-	63	578.9	82	-	102	4	-
HARBOUR PETRO	100.0%	-	96	-	67	172.2	95	573.5	58	2	3,330
LARIO OIL & GA	100.0%	-	97	-	72	17,089.2	36	3,628.1	32	24	212
MARENGO EXPLOR	0.0%	-	98	-	77	51.0	105	-	103	1	-
MESQUITE ENERG	0.0%	-	99	-	79	121.5	100	-	104	2	-
NEW CENTURY	0.0%	-	100	-	80	161.9	97	-	105	2	-
NYCAN ENERGY C	0.0%	-	101	-	82	422.7	86	-	106	2	-
OMERS RESOURCE	100.0%	-	102	-	84	16,101.7	37	10,895.9	18	57	677
QUEST ENERGY	0.0%	-	103	-	92	687.4	80	-	107	7	-
RED COAT O&G	0.0%	-	104	-	94	1,181.1	72	-	108	2	-
SAHH RES LTD	0.0%	-	105	-	98	3,195.3	55	-	109	21	-
SARG OILS	100.0%	-	106	-	99	767.1	79	12.0	89	6	16
SAWTOOTH INTER	100.0%	-	107	-	100	-	109	336.3	65	2	no oil prod
SILVER BAY RES	100.0%	-	108	-	102	1,036.2	75	669.2	57	1	646
WESTDRUM ENGY	100.0%	-	109	-	108	19.2	107	802.6	51	1	41,802
TOTALS FOR MEDICINE HAT	**87.7%**	**112,114.1**		**7,288.0**		**6,268,856.0**		**969,320.1**		**5,799**	**155**

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR RED DEER
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
PETRO-CANADA	98.6%	4,124.5	1	43.8	22	509,559.7	1	299,586.5	4	481	588
NORTHSTAR ENGY	96.1%	3,517.8	2	1,142.8	2	326,419.6	4	118,908.1	12	167	364
NUMAC ENERGY	97.8%	3,405.6	3	945.0	3	151,778.2	10	197,532.9	7	148	1,302
CRESTAR ENERGY	97.3%	3,387.0	4	769.0	4	299,132.2	6	151,885.6	8	159	508
TALISMAN ENERG	92.2%	3,215.7	5	10.1	35	80,529.9	15	41,212.0	23	52	512
MARATHON CANAD	96.0%	3,208.1	6	0.9	51	67,021.0	17	80,777.2	16	236	1,205
SUNOMA ENERGY	77.7%	2,709.4	7	-	170	16,187.8	39	12,164.6	42	32	752
GULF CAN LTD	98.8%	2,505.3	8	270.9	7	380,378.2	2	239,144.9	5	314	629
PARAGON PETROL	88.0%	2,478.6	9	-	142	9,810.5	49	20,571.4	33	12	2,097
PENN WEST PETR	96.1%	2,463.4	10	51.3	20	86,273.0	14	64,103.2	19	397	743
NORTHROCK RES	43.5%	2,155.0	11	-	135	18,885.8	36	3,811.7	71	6	202
UNION PACIFIC	69.4%	2,125.2	12	473.1	5	45,641.3	25	8,499.0	53	40	186
PIONEER NATURA	75.8%	2,124.6	13	2.1	46	5,845.5	68	8,781.6	52	14	1,502
FLETCHER CHALL	93.5%	2,120.8	14	-	103	45,929.5	24	32,679.6	26	66	712
SAMSON CANADA,	90.9%	1,969.8	15	194.9	9	50,909.6	21	23,714.7	30	77	466
APACHE CANADA	98.5%	1,859.1	16	10.6	34	44,271.9	27	127,654.5	9	104	2,883
PANCAN RESOURC	97.9%	1,807.2	17	-	139	335,417.5	3	87,657.0	15	194	261
BIRCHILL RES	0.0%	1,681.3	18	-	70	9,135.2	53	1,681.3	89	2	184
STELLARTON ENE	83.5%	1,645.2	19	-	167	11,812.0	45	9,979.4	48	49	845
ENCAL ENGY	37.5%	1,600.5	20	-	99	7,160.3	61	2,559.6	80	37	358
CENTENIAL PETR	84.4%	1,525.7	21	3.6	42	14,210.0	41	9,803.9	50	36	690
SHANPET RES.	0.0%	1,413.1	22	-	161	1,194.3	109	1,413.1	93	1	1,183
ULSTER PETROLE	99.6%	1,395.2	23	376.4	6	321,756.1	5	431,457.5	2	290	1,341
CDN 88 ENERGY	96.3%	1,352.0	24	-	84	7,725.9	56	36,967.5	25	30	4,785
CROSSROADS ENR	23.9%	1,309.6	25	-	92	2,032.0	91	1,719.8	88	15	846
PRIMEWEST ENER	99.0%	1,240.4	26	-	149	56,367.7	19	124,486.0	10	141	2,209
IMP OIL RES LT	98.8%	1,211.6	27	-	118	178,794.8	8	101,110.9	13	230	566
GLENCOE RES	95.9%	1,163.1	28	-	107	21,378.8	35	28,686.7	27	68	1,342
RENAISSANCE	92.6%	1,122.7	29	42.4	23	16,528.6	38	15,764.4	40	43	954
ENERPLUS RES	91.7%	1,040.0	30	39.0	26	25,336.8	33	13,035.1	41	23	515
TRIQUEST ENERG	0.0%	1,013.0	31	-	178	3,464.8	78	1,013.0	101	7	292
PYRAMID ENERGY	0.0%	989.8	32	-	152	6,988.0	64	886.8	104	4	127
MOBIL	99.5%	963.6	33	126.8	12	182,193.9	7	230,673.9	6	183	1,266
GANNON BROS	19.6%	930.6	34	-	106	4,196.1	72	1,157.3	98	13	276
SUNCOR ENERGY	97.9%	917.7	35	-	169	80,201.4	16	43,269.6	21	85	540
BEARSPAW PETRO	91.6%	809.4	36	2.6	44	57,109.9	18	9,652.4	51	129	169
TERRAPET ENERG	0.0%	794.9	37	-	172	1,521.1	104	794.9	106	3	523

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR RED DEER
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
PCC ENERGY COR	87.4%	782.3	38	-	144	3,437.1	79	6,200.4	59	6	1,804
BLUE RANGE COR	93.0%	781.8	39	-	71	16,636.6	37	11,162.7	44	74	671
CANALTA ENERGY	0.0%	778.0	40	-	81	420.3	146	778.0	107	2	1,851
SIGNALTA RES	13.4%	763.7	41	-	164	1,980.2	92	882.1	105	1	446
PHILLIPS PET	80.2%	757.2	42	73.3	16	5,982.2	67	4,190.8	69	7	701
AMOCO CANADA P	99.9%	720.0	43	39.5	25	102,662.3	13	719,310.0	1	259	7,007
NAL RES	99.4%	690.6	44	40.7	24	164,249.8	9	121,969.6	11	189	743
CDN HUNTER	97.1%	675.0	45	-	83	26,489.8	31	23,650.2	31	19	893
BURLINGTON RES	96.4%	666.4	46	-	75	2,334.2	87	18,627.0	36	12	7,980
BERKLEY PETRO	99.8%	603.5	47	-	67	111,231.5	11	364,809.3	3	8	3,280
RED GREEN ENER	0.0%	566.9	48	-	156	339.7	150	566.9	112	1	1,669
BEAU CANADA EX	99.3%	545.2	49	2.0	47	34,855.2	29	78,154.5	17	88	2,242
CAMINO IND	21.7%	541.9	50	2,461.1	1	3,505.5	77	3,837.0	70	27	1,095
RESPONSE ENGY	0.0%	507.8	51	-	157	1,524.3	103	507.8	116	2	333
CRISPIN ENERGY	19.9%	484.5	52	-	91	2,292.1	88	604.9	111	12	264
BARRINGTON PET	68.6%	478.1	53	10.0	36	5,472.6	69	1,553.3	91	8	284
EBOC ENERGY LT	7.7%	457.7	54	-	97	2,746.8	84	496.1	117	2	181
CDN NAT RES	99.6%	424.0	55	13.7	31	44,872.0	26	100,941.8	14	143	2,250
ANDERSON	96.3%	414.6	56	-	59	56,009.6	20	11,188.9	43	33	200
COURAGE ENERGY	0.0%	407.8	57	48.9	21	2,785.1	83	456.7	121	3	164
POGO CANADA LT	0.0%	379.9	58	-	146	1,045.3	112	379.9	123	4	363
PEARSON RES	0.8%	353.1	59	-	145	204.9	163	356.1	126	2	1,738
MAXX PETROLEUM	99.1%	347.6	60	-	126	23,966.2	34	37,906.7	24	41	1,582
WOLVERINE ENER	0.0%	346.6	61	-	185	338.8	151	346.6	128	1	1,023
VINTAGE RESOUR	92.9%	343.5	62	-	180	9,347.4	52	4,833.6	64	8	517
HARBOUR PETRO	2.0%	324.4	63	-	110	2,652.7	85	331.1	129	10	125
MOIIBUS RES	92.9%	310.6	64	-	130	3,667.0	76	4,374.6	66	2	1,193
TORPEDO PETROL	0.0%	307.4	65	-	174	401.7	147	307.4	130	2	765
JET ENGY	0.0%	306.9	66	-	120	605.1	128	306.9	131	3	507
CANADIAN ABRAX	0.0%	298.2	67	-	80	554.3	133	298.2	132	2	538
KAISER ENERGY	93.5%	295.3	68	1.8	48	7,049.1	63	4,576.0	65	11	649
ROCK RIVER RES	93.2%	286.6	69	-	159	6,139.3	66	4,216.5	68	12	687
SOGAR RES LTD.	98.1%	286.3	70	22.9	28	10,006.4	48	16,280.5	38	44	1,627
MURPHY OIL COM	96.7%	280.5	71	-	131	40,362.3	28	8,399.8	54	26	208
BAYTEX ENERGY	98.9%	280.4	72	-	64	12,166.0	44	25,951.1	28	30	2,133
DEVON ENERGY	99.5%	272.7	73	31.6	27	7,620.0	58	61,002.4	20	42	8,006
OCELOT ENERGY	98.9%	272.7	74	4.9	40	46,113.8	23	25,183.1	29	111	546

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR RED DEER
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
BALLATER RES	0.0%	272.5	75	12.9	32	688.6	124	285.4	134	2	415
HURRICANE HYDR	0.0%	263.2	76	-	116	1,550.4	102	263.2	135	6	170
HIGHLAND ENERG	0.0%	263.0	77	-	112	262.0	160	263.0	136	1	1,004
TRIUMPH ENGY	92.1%	254.8	78	2.9	43	1,757.8	95	3,256.9	75	3	1,853
SUMMIT RES	80.9%	250.6	79	2.4	45	1,756.0	96	1,325.3	95	5	755
GREY WOLF EXPL	0.0%	247.6	80	-	109	547.2	135	247.6	137	4	453
TAURUS EXPLORA	0.0%	243.7	81	-	171	759.9	123	243.7	138	4	321
WESTDRUM ENGY	43.5%	239.1	82	-	182	837.5	119	422.9	122	3	505
BOUNDARY CREEK	2.1%	219.7	83	-	73	1,665.7	99	224.4	139	10	135
ONWARD ENGY	54.9%	218.8	84	-	137	802.8	120	485.3	118	5	605
COMETRA ENERGY	96.8%	218.3	85	-	87	14,113.6	42	6,907.0	57	13	489
NEUTRINO RES	0.0%	207.8	86	-	133	47.4	183	207.8	141	1	4,384
OMERS RESOURCE	88.1%	207.4	87	-	136	3,789.6	74	1,738.2	87	8	459
AEC WEST LTD.	95.6%	204.7	88	115.4	13	9,706.5	50	7,251.2	56	19	747
CABRE EXPLOR	79.4%	200.6	89	-	77	4,722.9	71	975.8	103	9	207
HUNT OIL	12.6%	193.7	90	-	115	493.6	141	221.7	140	2	449
EQUATORIAL ENE	46.4%	192.1	91	-	100	1,404.7	106	358.5	124	3	255
RAMIER RES	7.8%	184.0	92	-	155	2,805.7	82	199.6	142	3	71
ZARGON OIL & G	88.7%	184.0	93	-	186	3,948.3	73	1,629.5	90	7	413
CYPRESS ENERGY	98.2%	178.3	94	-	94	933.7	115	10,100.0	47	5	10,817
ARC RESOURCES	99.4%	178.1	95	244.4	8	109,921.0	12	75,770.1	18	121	689
PROBE EXPLORAT	84.3%	173.1	96	-	150	1,121.7	111	1,101.6	100	6	982
PURSUIT RES	97.2%	170.9	97	-	151	10,446.7	46	6,115.2	60	16	585
ADDISON ENERGY	99.0%	169.3	98	-	54	3,382.1	80	16,798.4	37	41	4,967
SHININGBANK	99.3%	144.8	99	-	163	15,239.7	40	19,796.1	35	55	1,299
TRI LINK RESOU	6.7%	141.5	100	-	177	877.5	117	151.6	145	2	173
OPTIMUS ENERGY	1.1%	139.7	101	1.4	49	574.0	131	142.7	147	3	249
NCE RES GP	96.7%	132.4	102	9.6	37	7,533.7	59	4,368.7	67	25	580
KANTEC PETE S	94.6%	129.8	103	-	121	670.8	126	2,398.6	82	8	3,576
BEST PACIFIC	94.2%	119.1	104	-	68	7,793.9	55	2,070.4	84	17	266
ALTANA EXPLORA	88.3%	115.6	105	-	57	2,165.1	90	988.6	102	15	457
MAGIN ENERGY I	98.5%	113.7	106	-	124	9,479.2	51	7,410.9	55	9	782
MEOTA RESOURCE	0.0%	113.1	107	-	128	2,243.3	89	113.1	151	1	50
BIG HORN	0.0%	109.6	108	-	69	188.8	167	109.6	153	2	581
ALTA SELECTA	8.4%	106.9	109	-	56	843.8	118	116.7	150	1	138
RENATA RESOURC	98.1%	105.4	110	107.5	14	7,215.6	60	10,992.5	45	13	1,523
INTERNATIONALG	0.0%	104.3	111	-	119	284.9	156	104.3	156	1	366

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR RED DEER
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
CONTOUR ENERGY	0.0%	102.3	112	-	89	478.7	142	102.3	157	3	214
ENERMARK INC.	96.4%	98.5	113	1.2	50	3,681.8	75	2,759.7	78	10	750
VIKING ENERGY	98.7%	92.1	114	-	179	7,876.9	54	6,829.7	58	44	867
COMPTON OIL &	92.6%	89.8	115	-	88	10,040.4	47	1,209.4	97	17	121
STOCKWORK PROP	18.8%	87.8	116	-	168	151.3	172	108.1	154	1	715
MUTINY O&GLTD	40.6%	87.6	117	-	132	93.6	178	147.5	146	3	1,576
ELK POINT RES	0.0%	86.9	118	14.6	30	329.8	152	101.5	158	3	308
BXL ENERGY LTD	0.0%	80.0	119	-	76	556.6	132	80.0	160	1	144
WHITE RIVER PE	0.0%	79.7	120	-	184	198.9	164	79.7	161	3	401
BTU RESOURCES	0.0%	78.9	121	-	74	1,812.1	94	78.9	162	1	44
TOREX RESOURCE	96.9%	77.6	122	85.2	15	5,318.4	70	5,288.3	63	32	994
FOUNDERS ENERG	99.1%	75.6	123	11.0	33	6,805.1	65	9,837.1	49	12	1,446
CROWNJOULE EXP	96.5%	68.1	124	-	93	1,002.5	114	1,969.2	86	12	1,964
ALTAQUEST ENER	98.0%	67.3	125	-	58	1,128.6	110	3,429.6	73	2	3,039
WESTROCK ENERG	99.6%	67.1	126	9.0	38	47,036.0	22	20,165.1	34	23	429
CANOR ENERGY	95.0%	62.5	127	-	82	7,637.3	57	1,261.2	96	6	165
SOUTH RIDGE MA	0.0%	46.8	128	-	165	296.7	153	46.8	164	1	158
MERIT ENERGY	0.0%	44.8	129	-	129	528.5	137	44.8	166	2	85
FERRYBANK RESO	0.0%	42.8	130	-	102	548.2	134	42.8	167	6	78
QUESTAR ENERGY	0.0%	42.1	131	-	153	1,582.8	101	42.1	168	1	27
MESQUITE ENERG	0.8%	38.1	132	0.4	52	132.4	174	38.8	169	3	293
ANDERSON O & G	99.3%	38.0	133	-	60	1,951.2	93	5,396.7	62	10	2,766
ARTEMIS ENERGY	92.7%	37.7	134	-	61	134.7	173	518.3	115	2	3,848
TRI-MENT CORPO	0.0%	34.9	135	70.9	17	272.9	158	105.8	155	2	388
CORSAIR EXPLOR	0.0%	34.8	136	-	90	14.5	186	34.8	170	1	2,400
CHEVRON CANADA	99.8%	34.0	137	-	85	25,912.1	32	15,930.0	39	21	615
AVALANCHE ENER	0.0%	33.3	138	-	62	283.3	157	33.3	171	2	118
POWERMAX ENERG	0.0%	32.0	139	-	148	379.7	148	32.0	172	1	84
ALEXANDER OIL	67.3%	27.2	140	-	55	591.0	129	83.1	159	2	141
TORRINGTON RES	99.9%	16.9	141	-	175	13,402.5	43	21,743.5	32	24	1,622
STAR OIL & GAS	99.4%	12.0	142	-	166	123.4	176	1,980.2	85	2	16,047
PANCANADIAN	100.0%	11.2	143	-	140	238.4	162	41,546.0	22	1	174,270
DAY ENGY	0.0%	6.1	144	-	96	85.1	180	6.1	176	1	72
SPIRIT CORPORA	99.9%	4.0	145	4.0	41	1,335.9	107	5,842.8	61	8	4,374
KOSOWAN HYDCRB	94.0%	3.5	146	185.0	10	3,084.7	81	3,123.9	76	16	1,013
SERAFIN RES	99.6%	2.6	147	-	160	174.8	169	670.5	109	2	3,836
RAIDER RES	0.0%	1.3	148	-	154	21.6	185	1.3	177	2	60

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR RED DEER
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
AMOIL RESOURCE	33.3%	-	149	132.0	11	2,444.2	86	197.9	143	3	81
GOLD RIDGE INV	0.0%	-	150	63.0	18	196.5	165	63.0	163	1	321
WESTLINKS RESO	61.2%	-	151	52.9	19	1,429.7	105	136.2	148	3	95
SEARCH ENGY	99.8%	-	152	17.9	29	7,070.0	62	10,626.7	46	35	1,503
SILVER BLAZE	65.1%	-	153	7.5	39	932.4	116	21.5	173	6	23
CDN FOREST OIL	100.0%	-	154	0.2	53	506.5	139	1,133.0	99	2	2,237
AVONDALE ENERG	100.0%	-	155	-	63	582.1	130	1,339.1	94	1	2,301
BEAVER LAKE	100.0%	-	156	-	65	129.6	175	466.5	120	1	3,600
BELAIR ENERGY	100.0%	-	157	-	66	541.3	136	476.3	119	4	880
BONAVISTA PETR	0.0%	-	158	-	72	1,693.3	98	-	178	4	-
CALAHOO PETRO	100.0%	-	159	-	78	110.8	177	2,492.7	81	7	22,497
CALVALLEY PETR	100.0%	-	160	-	79	-	187	119.4	149	-	no oil prod
CML RESOURCES	0.0%	-	161	-	86	28.4	184	-	179	1	-
DALTON RES	100.0%	-	162	-	95	462.5	143	356.9	125	11	772
EDGE ENERGY IN	100.0%	-	163	-	98	1,662.8	100	531.8	114	4	320
FARPOINT ENERG	100.0%	-	164	-	101	183.9	168	10.0	174	1	54
FORENT ENERGY	0.0%	-	165	-	104	162.9	170	-	180	1	-
FREEHOLD RESOU	100.0%	-	166	-	105	677.2	125	45.6	165	1	67
GRANDIR RESOUR	100.0%	-	167	-	108	1,699.8	97	2,124.2	83	5	1,250
HIGH PLAINS EN	0.0%	-	168	-	111	793.2	121	-	181	2	-
HOPEFORD RES	100.0%	-	169	-	113	57.9	182	7.0	175	1	121
HORNET ENERGY	100.0%	-	170	-	114	1,004.1	113	165.4	144	2	165
HUSKY OIL OPER	100.0%	-	171	-	117	33,361.0	30	3,512.1	72	16	105
KB RESOURCES	100.0%	-	172	-	122	73.0	181	2,684.3	79	3	36,771
KYJO RESOURCES	0.0%	-	173	-	123	656.2	127	-	182	3	-
MAXWELL OIL	0.0%	-	174	-	125	774.1	122	-	183	1	-
MCGINNIS IND	100.0%	-	175	-	127	86.8	179	111.2	152	1	1,281
NEW CENTURY	100.0%	-	176	-	134	508.8	138	541.0	113	1	1,063
PACIFIC CASSIA	100.0%	-	177	-	138	289.1	155	350.0	127	1	1,211
PARA-TECH ENER	0.0%	-	178	-	141	364.9	149	-	184	3	-
PATMAC RESOURC	0.0%	-	179	-	143	1,271.3	108	-	185	4	-
POSTELL ENERGY	0.0%	-	180	-	147	428.5	145	-	186	3	-
RIATA RESOURCE	100.0%	-	181	-	158	162.7	171	3,402.6	74	7	20,913
SHAPCO RES	100.0%	-	182	-	162	504.0	140	2,871.6	77	3	5,698
TIKAL RESOURCE	100.0%	-	183	-	173	290.2	154	297.8	133	1	1,026
TRARION RES	100.0%	-	184	-	176	244.5	161	611.6	110	2	2,501
WAKE	0.0%	-	185	-	181	191.5	166	-	187	1	-

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR RED DEER
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
WESTRIDGE PETR	100.0%	-	186	-	183	451.1	144	1,508.4	92	4	3,344
155725 CANADA	100.0%	-	187	-	187	265.2	159	756.5	108	3	2,853
TOTALS FOR RED DEER	**97.8%**	**95,193.3**		**8,407.0**		**4,685,276.2**		**4,622,563.4**		**6,020**	**987**

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR WAINWRIGHT
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
RENAISSANCE	75.8%	21,160.6	1	1,271.1	7	1,476,711.9	1	92,653.8	1	1,546	63
FLETCHER CHALL	69.2%	17,875.7	2	715.2	10	536,630.5	4	60,441.4	3	651	113
TALISMAN ENERG	29.0%	12,288.4	3	2,194.3	4	534,307.9	5	20,388.7	10	707	38
CABRE EXPLOR	35.2%	7,604.9	4	-	51	266,873.7	8	11,736.0	17	192	44
MAGIN ENERGY I	62.6%	6,998.0	5	30.6	21	230,161.7	11	18,791.0	11	336	82
PENN WEST PETR	40.5%	6,549.5	6	1,283.6	6	186,809.6	12	13,174.3	16	393	71
PANCAN RESOURC	80.2%	5,397.1	7	5,823.7	3	1,169,328.2	2	56,782.5	4	1,254	49
REAL RESOURCES	30.7%	3,566.3	8	0.2	36	59,011.2	23	5,146.0	23	114	87
UNION PACIFIC	71.9%	3,205.4	9	1,401.6	5	498,433.6	6	16,375.2	12	373	33
CDN FOREST OIL	18.9%	2,976.7	10	92.9	19	59,597.6	22	3,785.2	29	49	64
RENATA RESOURC	0.0%	2,816.6	11	142.4	18	37,151.5	36	2,959.0	32	68	80
NORTHSTAR ENGY	84.5%	2,097.8	12	-	87	230,769.0	10	13,533.4	14	294	59
OGY PETROLEUM	53.7%	1,996.5	13	-	89	60,966.4	21	4,314.1	26	83	71
ARCHEAN ENERGY	94.2%	1,867.9	14	-	38	327,732.2	7	32,165.7	6	571	98
MURPHY OIL COM	72.8%	1,597.3	15	-	83	26,321.3	40	5,877.1	21	63	223
ENCAL ENGY	94.1%	1,479.7	16	-	65	41,603.3	31	24,995.9	8	65	601
TAURUSEXPCANA	93.5%	1,477.9	17	-	107	43,304.3	30	22,721.8	9	204	525
WISER OIL CO	77.5%	1,405.6	18	-	116	57,871.0	24	6,240.5	20	61	108
ARDENT ENERGY	35.9%	1,381.9	19	-	39	31,473.5	38	2,157.2	38	51	69
C&D O&G	40.8%	1,301.7	20	-	50	52,927.4	26	2,197.8	37	76	42
CRESTAR ENERGY	81.5%	1,247.7	21	26.2	22	135,108.0	15	6,870.7	19	197	51
MAXX PETROLEUM	15.4%	1,245.5	22	-	80	117,345.1	17	1,471.6	42	22	13
BARRINGTON PET	38.0%	1,169.1	23	19.7	26	44,236.1	29	1,916.4	40	102	43
AVID OIL & GAS	72.8%	1,070.1	24	231.9	17	84,980.3	19	4,795.2	24	239	56
ENERPLUS RES	35.6%	907.5	25	392.3	12	39,713.3	33	2,019.0	39	75	51
ANDERSON O & G	14.6%	828.2	26	301.2	14	102,405.9	18	1,322.9	44	168	13
SIGNALTA RES	13.0%	813.3	27	22.6	24	8,483.9	57	960.9	49	18	113
RHODIE PETRO	0.0%	697.5	28	-	101	10,835.7	54	697.5	52	20	64
ENERMARK INC.	91.8%	695.2	29	386.0	13	139,284.0	14	13,230.8	15	143	95
TIVERTON PETRO	52.6%	655.2	30	-	110	13,058.4	50	1,381.0	43	26	106
PURSUIT RES	16.2%	618.5	31	300.6	15	39,951.2	32	1,096.7	46	41	28
PARA-TECH ENER	0.0%	611.4	32	-	93	8,247.6	58	611.4	58	23	74
PIONEER NATURA	86.5%	516.3	33	261.9	16	128,100.9	16	5,775.4	22	231	45
BENSON PETRO	79.4%	503.9	34	-	46	36,014.7	37	2,443.2	35	48	68
WOLVERINE ENER	68.3%	479.2	35	-	117	13,069.4	49	1,512.2	41	67	116
CAMPION RESOUR	6.5%	413.7	36	-	52	404.8	100	442.4	62	1	1,093
DOMCAN EAST AL	87.0%	411.1	37	13.5	27	21,776.0	44	3,265.7	31	47	150

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR WAINWRIGHT
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
SHENANDOAH RES	39.4%	401.0	38	-	104	11,883.0	53	661.4	55	46	56
TIER ONE ENERG	64.5%	374.8	39	-	108	38,595.4	35	1,055.5	47	32	27
ELK POINT RES	47.1%	359.3	40	-	63	1,414.4	88	678.9	54	12	480
LOMALTA PETRO	21.0%	351.0	41	19.9	25	15,827.6	46	469.5	61	17	30
DRAIG ENERGY	98.9%	325.2	42	-	61	976.1	93	28,952.3	7	11	29,661
BURLINGTON RES	89.1%	287.8	43	-	49	83,588.6	20	2,636.5	33	89	32
PRISM PETRO	94.2%	231.5	44	7.5	28	5,090.6	67	4,094.8	27	26	804
MERIT ENERGY	0.0%	224.2	45	-	81	5,612.8	64	224.2	66	39	40
POST ENGY	97.5%	201.5	46	-	95	9,541.3	55	7,980.8	18	17	836
EBOC ENERGY LT	0.0%	192.1	47	-	62	470.8	98	192.1	69	2	408
CANADIAN ABRAX	96.2%	171.2	48	-	53	45,015.5	28	4,520.2	25	60	100
TAKU GAS	68.0%	170.1	49	-	106	14,099.8	47	530.8	59	31	38
GREY WOLF EXPL	95.7%	165.4	50	-	71	38,836.9	34	3,813.8	28	60	98
BAYTEX ENERGY	50.2%	145.8	51	-	42	2,730.9	74	292.7	65	16	107
OMERS RESOURCE	0.0%	143.9	52	-	90	1,575.3	87	143.9	72	2	91
TORRINGTON RES	71.4%	137.9	53	-	111	2,480.0	75	481.6	60	6	194
BEAU CANADA EX	40.9%	114.8	54	-	43	2,148.8	83	194.4	68	17	91
BOUNDARY CREEK	0.0%	113.7	55	-	48	1,375.3	89	113.7	74	3	83
LEXXOR ENERGY	86.1%	105.5	56	-	79	316.3	103	761.5	51	1	2,408
EQUATORIAL ENE	56.3%	91.0	57	1.2	32	7,396.0	59	211.2	67	39	29
GULF CAN LTD	40.6%	79.0	58	-	72	2,297.4	79	133.0	73	32	58
PETROVERA RESO	0.0%	74.3	59	1.2	33	4,647.7	69	75.5	77	11	16
ENERGY NORTH	0.0%	57.0	60	-	66	5,634.9	63	57.0	79	45	10
DANOIL ENGY	9.9%	50.7	61	-	57	6,432.1	61	56.3	80	16	9
ZARGON OIL & G	95.3%	29.7	62	-	118	5,549.3	65	627.5	57	33	113
MAXIMUM HOLDIN	98.5%	29.4	63	26.1	23	19,484.7	45	3,669.2	30	72	188
QUINTANA MINER	75.9%	21.3	64	-	98	3,173.7	72	88.3	76	7	28
NEW CENTURY	0.0%	15.7	65	-	85	4,694.1	68	15.7	87	6	3
EUROGAS CORPOR	12.4%	14.3	66	0.6	34	1,966.8	85	17.0	86	25	9
PANCANADIAN	0.0%	14.1	67	-	92	265.7	106	14.1	88	1	53
AVORD OIL & GA	70.9%	10.1	68	5.5	29	13,720.6	48	53.7	81	17	4
T & E OILS	74.8%	8.1	69	-	105	1,785.9	86	32.1	82	4	18
BEAVER LAKE	76.5%	4.4	70	-	44	228.6	109	18.7	85	1	82
WASCANA ENERGY	56.9%	4.0	71	1,006.8	9	162,770.3	13	2,346.2	36	197	14
ANDERSON	7.2%	1.5	72	1,091.5	8	27,000.0	39	1,178.1	45	63	44
ARGONAUTS GROU	100.0%	0.2	73	-	40	45,108.3	27	2,448.1	34	71	54
HUSKY OIL OPER	35.5%	0.1	74	23,041.9	1	556,265.2	3	35,724.1	5	686	64

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR WAINWRIGHT
RUN DATE 05-Jul-00

COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
CDN NAT RES	5.4%	-	75	13,063.1	2	250,803.9	9	13,812.1	13	393	55
ANDERSON RESOU	0.0%	-	76	685.4	11	25,247.0	41	685.3	53	19	27
ADDISON ENERGY	0.0%	-	77	74.2	20	53.7	115	74.2	78	1	1,382
DYNATECH PETRO	56.0%	-	78	2.2	30	285.1	105	5.0	89	1	18
MOIIBUS RES	0.0%	-	79	1.4	31	261.8	107	1.4	90	1	5
SEFFIAN PETROL	0.0%	-	80	0.6	35	180.7	110	0.6	91	1	3
ACANTHUS RESOU	0.0%	-	81	-	37	308.5	104	-	92	1	-
BARCOMP PETRO	0.0%	-	82	-	41	8,983.3	56	-	93	28	-
BELLATOR EXP	0.0%	-	83	-	45	4,297.4	70	-	94	1	-
BLAZE ENERGY	100.0%	-	84	-	47	649.7	94	435.4	63	5	670
CANADIAN BLACK	100.0%	-	85	-	54	637.9	95	635.4	56	8	996
COLDSTREAM ENR	0.0%	-	86	-	55	348.6	102	-	95	3	-
COURAGE ENERGY	100.0%	-	87	-	56	24,301.6	42	317.3	64	38	13
DAVILIN ENERGY	0.0%	-	88	-	58	54.7	114	-	96	1	-
DEER CREEK ENE	0.0%	-	89	-	59	5,267.8	66	-	97	7	-
DEPAR MNGMNT	0.0%	-	90	-	60	2,266.0	80	-	98	3	-
EMBO PETROLEUM	0.0%	-	91	-	64	163.3	111	-	99	1	-
FOOTHILL O&G L	0.0%	-	92	-	67	1,211.1	92	-	100	3	-
FOX ENGY CORP	100.0%	-	93	-	68	2,341.7	78	180.0	70	4	77
FRASER O & G	0.0%	-	94	-	69	1,229.1	91	-	101	2	-
GRAND RAPIDS P	0.0%	-	95	-	70	594.6	97	-	102	1	-
HALVAR RES	100.0%	-	96	-	73	12,480.6	51	176.5	71	33	14
HARBOUR PETRO	0.0%	-	97	-	74	2,478.1	76	-	103	3	-
INTER SOVEREIG	0.0%	-	98	-	75	3,535.6	71	-	104	3	-
KAISER-FRANCIS	0.0%	-	99	-	76	2,126.8	84	-	105	7	-
KOCH EXPLORATI	0.0%	-	100	-	77	32.8	116	-	106	1	-
LASH OIL CO	100.0%	-	101	-	78	2,221.0	81	22.0	83	5	10
MESQUITE ENERG	0.0%	-	102	-	82	1,342.9	90	-	107	3	-
MYRIAD ENERGY	0.0%	-	103	-	84	16.4	118	-	108	3	-
NORTHROCK RES	0.0%	-	104	-	86	28.7	117	-	109	1	-
OASIS PETRO	0.0%	-	105	-	88	2,805.1	73	-	110	1	-
PALLISER ENERG	100.0%	-	106	-	91	23,621.8	43	977.7	48	23	41
PASSAGE ENERGY	100.0%	-	107	-	94	6,245.8	62	94.2	75	65	15
PROBE EXPLORAT	100.0%	-	108	-	96	12,095.4	52	21.3	84	20	2
PURCHASE O&G	100.0%	-	109	-	97	53,742.3	25	956.5	50	57	18
RANCHERO OIL &	0.0%	-	110	-	99	418.9	99	-	111	4	-
RESPONSE ENGY	0.0%	-	111	-	100	2,434.2	77	-	112	6	-

COMPANIES RANKED BY SOLUTION GAS FLARED - 1999
CRUDE OIL AND CRUDE BITUMEN BATTERIES FOR WAINWRIGHT

RUN DATE	05-Jul-00										
COMPANY	GAS CONS	GAS FLARED (1000 M³)	FLARE RANK	GAS VENTED (1000 M³)	VENT RANK	OIL PROD (M³)	OIL RANK	SOLN GAS PROD (1000 M³)	GAS RANK	TOTAL WELLS	GOR (M³/M³)
RIO ALTO EXPLO	100.0%	-	112	-	102	256.9	108	69,380.2	2	11	270,067
SEARCH ENGY	0.0%	-	113	-	103	6,504.3	60	-	113	12	-
TIMBERWOLF RES	0.0%	-	114	-	109	2,163.9	82	-	114	2	-
TRANS WORLD OI	0.0%	-	115	-	112	401.7	101	-	115	1	-
TUSCANY ENERGY	0.0%	-	116	-	113	88.7	112	-	116	2	-
UNICORN AGRI	0.0%	-	117	-	114	601.3	96	-	117	1	-
VALKYRIE	0.0%	-	118	-	115	9.6	119	-	118	1	-
519907 ALTA	0.0%	-	119	-	119	76.3	113	-	119	1	-
TOTALS FOR WAINWRIGHT	**73.2%**	**122,650.5**		**53,940.6**		**8,486,218.4**		**658,589.1**		**11,220**	**78**

Source of Information

The data contained in this file consists of selected information summarized from the S-2 monthly statements. These statements are filed with the EUB by companies on a monthly basis and include the disposition of oil, gas and water produced or received by a battery. Further details on the S-2 monthly statement are given in the Production Accounting Handbook Guide 7. The details for the above information on a battery basis is available in EUB publication ST 60A.

The summary data includes monthly battery data for crude oil (battery types 1-6) and crude bitumen (battery types 12-15) batteries. Battery types are assigned by the company when it applies for a new battery code (see Guide 7 – Appendix 3).

Please note that the company abbreviations may be different than that used for well naming purposes.